West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

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Welcome, Robert M Ross

Procurement | Budgeting | Accounts Receivable | Accounts Payable

Header 7

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1135670
Procurement Type: Statewide MA (Open End)
Vendor ID: VS0000041989
Legal Name: Ciara Technologies USA Inc.
Alias/DBA: Ciara Technologies USA Inc.
Total Bid: $28,186,054.00
Response Date: 12/13/2022
Response Time: 9:18
Responded By User ID: lvmorin
First Name: Louis-Vincent
Last Name: Morin
Email: lvmorin@ciaratech.com
Phone: 4186548643

SO Doc Code: CRFQ
SO Dept: 0212
SO Doc ID: SWC2300000010
Published Date: 12/8/22
Close Date: 12/13/22
Close Time: 13:30
Status: Closed
Solicitation Description: Addendum #3 Statewide Contract for Computer Equipment
Total of Header Attachments: 7
Total of All Attachments: 7

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder:	1135670
Solicitation Description:	Addendum #3 Statewide Contract for Computer Equipment
Proc Type:	Statewide MA (Open End)

Solicitation Closes	Solicitation Response	Version
2022-12-13 13:30	SR 0212 ESR12122200000002778	1

VENDOR
VS0000041989
Ciara Technologies USA Inc.

Solicitation Number: CRFQ 0212 SWC2300000010

Total Bid: 28186054 **Response Date:** 2022-12-13 **Response Time:** 09:18:33

Comments:

FOR INFORMATION CONTACT THE BUYER
Jessica L Hovanec
304-558-2314
jessica.l.hovanec@wv.gov

Vendor
Signature X   **FEIN#**   **DATE**
All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Standard PC	3500.0000 EA		670.840000	2347940.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Horizon T12160 Manufacturer Ciara
12th Gen Intel i5 12500 CPU,16GB DDR5, 256GB WD M.2 SSD, USB kbd/mouse, wifi and BT, Win10Pro, TPM
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.2 Standard PC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Power PC	3100.0000 EA		840.840000	2606604.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Horizon T12160 manufacturer Ciara
12th Gen Intel i7 12700 CPU, 32GB DDR5, 512GB WD M.2 SSD,DVD+-RW, USB kbd/mouse, wifi and BT, Win10Pro, TPM
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.3 Power PC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Fixed Workstation	250.00000 EA		2410.840000	602710.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Kronos 540 G2 manufacturer Ciara
13th Gen Intel 17 13700KF, 64GB DDR5, WD 500GB SSD, DVD+-RW,. Nvidia RTX A4000, USB kbd/mouse, Win10 Pro, TPM
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.4 Fixed Workstation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Standard Laptop	2500.0000 EA		1175.780000	2939450.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook Tecra A50 K
PML20U-0W901D
12th gen i5 16GB RAM 256SSD 15.6"
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.5 Standard Laptop

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Power Laptop	9000.0000	EA	1332.330000	11990970.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook Tecra A50 K
PML20U-0W901D
12th gen i7 32GB RAM 512SSD 15.6"
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.6 Power Laptop

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Tablet PC	2200.0000	EA	1461.730000	3215806.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: ACER NX.VW9AA.002
Acer Travelmate Spin i7 1260P 16 RAM 512SSD 14" Touchscreen Flip design
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.7 Tablet PC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Mobile Workstation	500.00000	EA	1332.330000	666165.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook Tecra A50 K
PML20U-0W901D
12th gen i7 32GB RAM 512SSD 15"6
Absolute resilience 5y included
see spec sheet in added documents

Extended Description:

3.1.8 Mobile Workstation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	20" Monitor	1500.0000	EA	69.000000	103500.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: AOC
21.5" 16:9, 1920x1080, HDMI port, two year warranty Dp cable included
see spec sheet in added documents

Extended Description:

3.1.9.1.1 20" Monitor

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	24" Monitor	10000.000	EA	106.000000	1060000.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Phillips 241B8
23.8" 16:9 LED, 1920x1080, DP cable incl. HAS/tilt/pivot/swivel, 2 year warranty
see spec sheet in added documents

Extended Description:

3.1.9.1.2 24" Monitor

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	27" Monitor	1900.0000	EA	153.000000	290700.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Phillips 272B1G
27" 16:9 LED, 1920x1080, DP cable incl. HAS/tilt/pivot/swivel, 2 year warranty
see spec sheet in added documents

Extended Description:

3.1.9.1.3 27" Monitor

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Digital Signature Pad	100.00000	EA	85.690000	8569.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Topaz T-S460-HSB-R
Topaz Siglite 5 x 1 in wired USB
see spec sheet in added documents

Extended Description:

3.1.9.2 Digital Signature Pad

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Docking Station for Standard Laptop	2500.0000	EA	146.450000	366125.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook PA5356U-1PRP
Docking station - USB-C
see spec sheet in added documents

Extended Description:

3.1.9.3 Docking Station for Standard Laptop

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	Docking Station for Power Laptop	9000.0000	EA	146.450000	1318050.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook PA5356U-1PRP
Docking station - USB-C
see spec sheet in added documents

Extended Description:

3.1.9.4 Docking Station for Power Laptop

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	Docking Station for Tablet	2200.0000	EA	198.250000	436150.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Acer GP.DCK11.00E
Acer D501 USB-C docking station
warranty Accidental damag 4 years
see spec sheet in added documents

Extended Description:

3.1.9.5 Docking Station for Tablet

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	Docking Station for Mobile Workstation	500.00000	EA	146.450000	73225.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook PA5356U-1PRP
Docking station - USB-C
see spec sheet in added documents

Extended Description:

3.1.9.6 Docking Station for Mobile Workstation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	SSD SATA 1TB 2.5"	600.00000	EA	93.000000	55800.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Crucial
CT1000MX500SSD1
Crucial MX500 1TB SATA 2.5" SSD
see spec sheet in added documents

Extended Description:

3.1.9.7 SSD SATA 1TB 2.5"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	SSD M.2 1TB NVME 2280	100.00000	EA	90.000000	9000.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Crucial CT1000P3SSD8
Crucial P3 1TB PCIe M.2 NVMe SSD
see specification sheet in added documents

Extended Description:

3.1.9.8 SSD M.2 1TB NVME 2.5"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	USB DVD/RW Drive	500.00000	EA	31.500000	15750.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: ASUS
SDRW-08D2S-U/BLK/G/AS
8x DVD+-RW
see specification sheet in added documents

Extended Description:

3.1.9.9 Optional USB DVD/RW Drive

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
19	USB Smart Card Reader	100.00000	EA	12.750000	1275.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: HID
R30210315-1
HID Omnikey 3021 USB Desktop Smartcard reader

Extended Description:

3.1.9.10 USB Smart Card Reader

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
20	Four-Year Accidental Damage Coverage	500.00000	EA	156.530000	78265.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: Dynabook WSN-PMGQ4V
 - Dynabook Service Plans Standard Limited Warranty + SystemGuard Extended service agreement - replace or repair- 4 years

Extended Description:

3.1.9.11 Four-Year Accidental Damage Coverage

December 13th, 2022

State of West Virginia
Department of purchasing
Purchasing Division
2019 Washington Street East
 Post Office Box 50130 Charleston,
 WV 25305-0130

Object: **State of West Virginia Centralized Request for Quote Info Technology**

It is with great pride and pleasure that Ciara Technology responds to this request for proposal. Ciara technology is a manufacturer of personal computers with manufacturing plants in Montreal, Quebec, Canada and in Tempe, Arizona, USA. We have been providing technology to corporations and public sector entities in Canada and the United States for over thirty-five years. For this RFP, Ciara is offering off the shelf systems and monitors.

We sincerely hope your evaluation process will lead to a new partnership for years to come. Upon request a demo unit will be provided rapidly. In the mean time, please do not hesitate to contact the undersigned should you require additional information.

Please accept the expression of our warmest greetings.

Louis-Vincent Morin
Account Manager North America
Ciara Technologies USA Inc.
1868 E. Broadway Rd,
Tempe
Arizona 85282
USA
Tel: (418) 654-8643
Fax: (418) 683-2148
Email: lvmorin@ciaratech.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ SWC2300000010

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X] Addendum No. 1   [   ] Addendum No. 6

[X] Addendum No. 2   [   ] Addendum No. 7

[X] Addendum No. 3   [   ] Addendum No. 8

[   ] Addendum No. 4   [   ] Addendum No. 9

[   ] Addendum No. 5   [   ] Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

<u>   Ciara Technologies USA Inc.   </u>
Company

Louis-Vincent Morin
<u>   </u>
Authorized Signature

<u>   12/13/2022   </u>
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

	Department of Administration	**State of West Virginia**
	Purchasing Division	**Centralized Request for Quote**
	2019 Washington Street East	**Info Technology**
	Post Office Box 50130	
	Charleston, WV 25305-0130	

Proc Folder:	1135670	**Reason for Modification:**
Doc Description:	Addendum #3 Statewide Contract for Computer Equipment	Addendum #3 to attach additional vendor questions and answers.
Proc Type:	Statewide MA (Open End)	

Date Issued	Solicitation Closes	Solicitation No	Version
2022-12-08	2022-12-13 13:30	CRFQ 0212 SWC2300000010	4

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON   WV   25305

US

VENDOR

Vendor Customer Code: VS0000041989

Vendor Name : Ciara Technologies USA Inc

Address : 1868 E Broadway Rd.

Street :

City : Tempe

State : AZ   **Country :** USA   **Zip :** 85282

Principal Contact : Louis-Vincent Morin

Vendor Contact Phone: 418.683.2192   **Extension:** 7208

FOR INFORMATION CONTACT THE BUYER
Jessica L Hovanec

304-558-2314

jessica.l.hovanec@wv.gov

Vendor Signature X *Louis-Vincent Morin*   **FEIN#** 753265932   **DATE**   12/12/2022

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum #3 to attach additional vendor questions and answers.

Addendum #2 to answer an additional vendor question and answer.

Addendum #1 to publish Vendor questions and answers and to move the bid opening date to 12/13/2022 at 1:30 PM ET.

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Office of Technology (WVOT) to establish an open-end statewide contract for the purchase of Windows-based computers and peripherals per the Specifications and Terms and Conditions as attached hereto.

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City WV US	No City WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Standard PC	3500.00000	EA	$670.84	$2,347,940.00

Comm Code	Manufacturer	Specification	Model #
43210000	Horizon T12160 Manufacturer Ciara 12th Gen Intel i5 12500 CPU,16GB DDR5, 256GB WD M.2 SSD, USB kbd/mouse, wifi and BT, Win10Pro, TPM		H610-HA- I5-3.0-16-256

Extended Description:

3.1.2 Standard PC

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City WV US	No City WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Power PC	3100.00000	EA	$840.84	$2,606,604.00

Comm Code	Manufacturer	Specification	Model #
43210000	Ciara	Horizon T12160 manufacturer Ciara12th Gen Intel i7 12700 CPU, 32GB DDR5, 512GB WD M.2 SSD,DVD+-RW, USB kbd/mouse, wifi and BT, Win10Pro, TPM	H610-HA-I7-2.1-32-512

Extended Description:

3.1.3 Power PC

INVOICE TO			SHIP TO			

INVOICE TO

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

SHIP TO

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Fixed Workstation	250.00000	EA	$2,410.84	$602,710.00

Comm Code	Manufacturer	Specification	Model #
43210000	Ciara	Kronos 540 G2 manufacturer Ciara 13th Gen Intel 17 13700KF, 64GB DDR5, WD 500GB SSD, DVD+-RW,. Nvidia RTX A4000, USB kbd/ mouse, Win10 Pro, TPM	W680-KA- I7-2.5-64-500

Extended Description:

3.1.4 Fixed Workstation

INVOICE TO

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

SHIP TO

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Standard Laptop	2500.00000	EA	$1,175.78	$2,939,450.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Dynabook Tecra A50 K 12th gen i5 16GB RAM 256SSD 15.6"	PML20U-0W901D

Extended Description:

3.1.5 Standard Laptop

INVOICE TO		SHIP TO			
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER			
No City WV US		No City WV US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Power Laptop	9000.00000	EA	$1,332.33	$11,990,970.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Dynabook Tecra A50 K 12th gen i7 32GB RAM 512SSD 15.6	PML20U-0U901D

Extended Description:

3.1.6 Power Laptop

INVOICE TO		SHIP TO			
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER			
No City WV US		No City WV US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Tablet PC	2200.00000	EA	$1,461.73	$3,215,806.00

Comm Code	Manufacturer	Specification	Model #
43210000	Acer	ACER NX.VW9AA.002 Acer Travelmate Spin i7 1260P 16 RAM 512SSD 14" Touchscreen Flip design	NX.VW9AA.002

Extended Description:

3.1.7 Tablet PC

INVOICE TO			SHIP TO			

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Mobile Workstation	500.00000	EA	$1,332.33	$666,165.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Dynabook Tecra A50 K 12th gen i7 32GB RAM 512SSD 15"6	PML20U-0U901D

Extended Description:
3.1.8 Mobile Workstation

INVOICE TO			SHIP TO			

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	20" Monitor	1500.00000	EA	69.00	103,500.00

Comm Code	Manufacturer	Specification	Model #
43210000	AOC	21.5" 16:9, 1920x1080, HDMI port, two year warranty ***Display port cable included***	22E1H

Extended Description:
3.1.9.1.1 20" Monitor

INVOICE TO		SHIP TO	
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER No City US	WV	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	24" Monitor	10000.00000	EA	106.00	1,060,000.00

Comm Code	Manufacturer	Specification	Model #
43210000	Philips	23.8" 16:9 LED, 1920x1080, DP cable incl. HAS/tilt/pivot/swivel, 2 year warranty	241B8

Extended Description:

3.1.9.1.2 24" Monitor

INVOICE TO		SHIP TO	
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER No City US	WV	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	27" Monitor	1900.00000	EA	153.00	290,700.00

Comm Code	Manufacturer	Specification	Model #
43210000	Phillips	27" 16:9 LED, 1920x1080, DP cable incl. HAS/tilt/pivot/swivel, 2 year warranty	272B1G

Extended Description:

3.1.9.1.3 27" Monitor

INVOICE TO		SHIP TO			
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER			
No City	WV	No City	WV		
US		US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Digital Signature Pad	100.00000	EA	85.69	8,568.84

Comm Code	Manufacturer	Specification	Model #
43210000	Topaz	Topaz Siglite 5 x 1 in wired USB	T-S460-HSB-R

Extended Description:

3.1.9.2 Digital Signature Pad

INVOICE TO		SHIP TO			
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER			
No City	WV	No City	WV		
US		US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Docking Station for Standard Laptop	2500.00000	EA	$146.45	$366,125.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Docking station - USB-C	PA5356U-1PRP

Extended Description:

3.1.9.3 Docking Station for Standard Laptop

INVOICE TO		SHIP TO				
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV US		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV US				

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Docking Station for Power Laptop	9000.00000	EA	$146.45	$1,318,050.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Docking station - USB-C see spec sheet in added documents	Dynabook PA5356U-1PRP

Extended Description:
3.1.9.4 Docking Station for Power Laptop

INVOICE TO		SHIP TO				
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV US		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV US				

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	Docking Station for Tablet	2200.00000	EA	$198.25	$436,150.00

Comm Code	Manufacturer	Specification	Model #
43210000	ACER	Acer D501 USB-C docking station see spec sheet in added documents	Acer GP.DCK11.00E

Extended Description:
3.1.9.5 Docking Station for Tablet

INVOICE TO				SHIP TO		

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	Docking Station for Mobile Workstation	500.00000	EA	$146.45	$73,225.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Docking station - USB-C see spec sheet in added documents	PA5356U-1PRP

Extended Description:
3.1.9.6 Docking Station for Mobile Workstation

INVOICE TO				SHIP TO		

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
16	SSD SATA 1TB 2.5"	600.00000	EA	$93.00	$55,800.00

Comm Code	Manufacturer	Specification	Model #
43210000	Crucial	Crucial MX500 1TB SATA 2.5" SSD see spec sheet in added documents	CT1000MX500SSD1

Extended Description:
3.1.9.7 SSD SATA 1TB 2.5"

INVOICE TO			SHIP TO			
ALL STATE AGENCIES			STATE OF WEST VIRGINIA			
VARIOUS LOCATIONS AS			VARIOUS LOCATIONS AS			
INDICATED BY ORDER			INDICATED BY ORDER			
No City	WV		No City	WV		
US			US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
17	SSD M.2 1TB NVME 2280	100.00000	EA	$90.00	$9,000.00

Comm Code	Manufacturer	Specification	Model #
43210000	Crucial	Crucial P3 1TB PCIe M.2 NVMe SSD see specification sheet in added documents	CT1000P3SSD8

Extended Description:
3.1.9.8 SSD M.2 1TB NVME 2.5"

INVOICE TO			SHIP TO			
ALL STATE AGENCIES			STATE OF WEST VIRGINIA			
VARIOUS LOCATIONS AS			VARIOUS LOCATIONS AS			
INDICATED BY ORDER			INDICATED BY ORDER			
No City	WV		No City	WV		
US			US			

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
18	USB DVD/RW Drive	500.00000	EA	$31.50	$15,750.00

Comm Code	Manufacturer	Specification	Model #
43210000	ASUS	8x DVD+-RW see specification sheet in added documents	SDRW-08D2S-U/BLK/G/AS

Extended Description:
3.1.9.9 Optional USB DVD/RW Drive

INVOICE TO				SHIP TO			

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV   No City   WV
US   US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
19	USB Smart Card Reader	100.00000	EA	$12.75	$1,275.00

Comm Code	Manufacturer	Specification	Model #
43210000	HID	HID Omnikey 3021 USB Desktop Smartcard reader	R30210315-1

Extended Description:
3.1.9.10 USB Smart Card Reader

INVOICE TO				SHIP TO			

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City   WV   No City   WV
US   US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
20	Four-Year Accidental Damage Coverage	500.00000	EA	$156.53	$78,265.00

Comm Code	Manufacturer	Specification	Model #
43210000	Dynabook	Dynabook Service Plans Standard Limited Warranty + SystemGuard Extended service agreement - replace or repair- 4 years	Dynabook WSN-PMGQ4V

Extended Description:
3.1.9.11 Four-Year Accidental Damage Coverage

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions due by November 21, 2022 at 10:00 AM ET	2022-11-21

	Document Phase	Document Description	Page 12
SWC2300000010	Final	Addendum #3 Statewide Contract for Computer Equipment	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

WV Oasis

Transaction Number: 20221212124108

Status: CompletedOk

Amount: $125.00

Company Name: Ciara Technologies USA inc

Name: Jerred Bittle

Address: 1868E Broadway

                  Tempe   K2C0P9

Phone: 6137971232

e-Mail: jbittle@ciaratech.com

Card Holder: Jerred Bittle

Card Type: Visa

Card: 45XXXXXXXXXX6256

Acer USB Type-C Dock D501 - ADK020

Part Number: GP.DCK11.00E

- Certified by Works With Chromebook
- Gigabit Ethernet connectivity
- 1 x USB Type C with power charging; 4 x USB 3.2 Gen 1 Type-A ports; 2 x USB 3.1 Gen 2 Type-A Ports
- Supports up to 3 displays using 1 x HDMI 2.0/DisplayPort 1.4; 1 x HDMI 2.0; 1 x DisplayPort 1.4
- 1 x 3.5mm Audio port

Docking Stations - PA5356U-1PRP Product Description

Overview

Expand your viewing area, connectivity and capabilities of your USB-C™ equipped laptop while eliminating cable clutter with a Dynabook USB-C Dock. With a single 10GB/s USB-C connection, connect multiple displays, charge-up and plug-in a variety of modern accessories and peripherals, with blazing fast speed. The Dynabook USB-C Dock makes bouncing from the field to the desk as simple as plugging in a USB cable.

Product Features

- Single USB Type-C cable connection to your computer
- Supports video resolutions up to 3840 x 2160 on one external display
- Supports single/dual/triple display
    - up to three FHD displays simultaneously
- Supports SuperSpeed USB 10Gpbs
    - USB 3.2 Gen 2

Product Specifications
Physical ports/indicators on the Dynabook USB-C ™ Dock:

- FRONT Panel
    - Power indicator light
    - SD Card slot
    - USB Type-C™ port
    - Two (2) x USB 3.2 Gen 2 ports (speed depends on connection
    - Headset jack (headphone / microphone combo)
- BACK Panel
    - (3) USB 3.2 Gen 1 ports
    - RJ-45 port (LAN)
    - VGA monitor port
    - DisplayPort port
    - HDMI™ 2.0 port
    - USB Type-C port (Connects to PC)
    - DC in (for power)
- RIGHT Panel
    - Security Lock Slot
- TOP
    - Power button

Philips
LCD monitor

B Line
24 (23.8" / 60.5 cm diag.)
1920 x 1080 (Full HD)

241B8QJEB

Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 24" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

Brilliant performance
- IPS technology for full colors and wide viewing angles
- 16:9 Full HD display for crisp detailed images
- SmartImage presets for easy optimized image settings

Designed for comfortable productivity
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartErgoBase enables people-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience

Features for the way you work
- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design
- Designed to meet environmental standards

Most Efficient 2019
ENERGY STAR www.energystar.gov

PHILIPS

Highlights

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

16:9 Full HD display

Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.
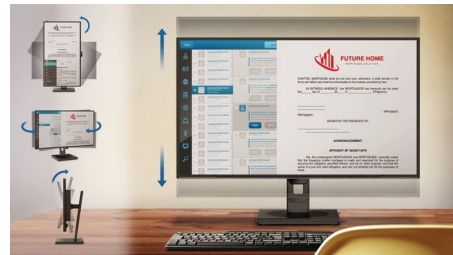
Flicker-free technology

Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.
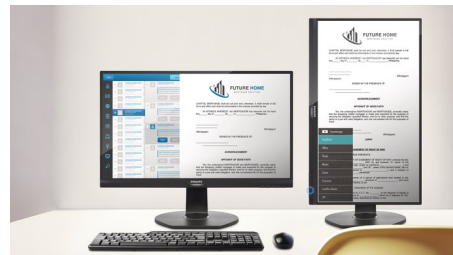
SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

EasyRead mode

EasyRead mode for a paper-like reading experience

Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

Specifications

Picture/Display
- Adaptive sync
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 527 (H) x 296.5 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Pixel Density: 93 PPI
- Response time (typical): 5 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Color gamut (typical): NTSC 89.9%*, sRGB 103.8%*
- Display colors: 16.7 M
- Scanning Frequency: 30 - 85 kHz (H) / 48 - 76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode

Connectivity
- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.0x2 (1 w/fast charging)*, USB 2.0 x 2
- Audio (In/Out): PC audio-in, Headphone out
- Sync Input: Separate Sync, Sync on Green

Convenience
- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand
- Height adjustment: 150 mm
- Pivot: -/+ 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power
- ECO mode: 10 W (typ.)
- On mode: 14.21 W (typ.) (EnergyStar test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 540 x 508 x 206 mm
- Product with stand(max height): 21.3 x 20.0 x 8.1 inch
- Product without stand (mm): 540 x 323 x 50 mm
- Product without stand in inch: 21.3 x 12.7 x 2.0 inch
- Packaging in mm (WxHxD): 600 x 468 x 198 mm
- Packaging in inch (WxHxD): 23.6 x 18.4 x 7.8 inch

Weight
- Product with stand (kg): 4.97 kg
- Product with stand (lb): 10.93 lb
- Product without stand (kg): 3.37 kg
- Product without stand (lb): 7.41 lb
- Product with packaging (kg): 7.17 kg
- Product with packaging (lb): 15.77 lb

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS, WEEE
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
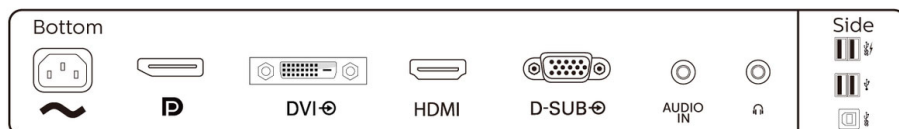- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, CB, EPA, FCC Class B, cETLus

Cabinet
- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?
- Monitor with stand
- Cables: DVI-D cable, DP cable, Audio cable, Power cable
- User Documentation

Bottom: ~, DP, DVI⊖, HDMI, D-SUB⊖, AUDIO IN, ⌂ Side

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse
* Fast charging complies with USB BC 1.2 standard
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.

Philips
LCD monitor

B Line
27" (68.6 cm)
1920 x 1080 (Full HD)

271B8QJEB

Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 27" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

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- SmartImage presets for easy optimized image settings

Designed for comfortable productivity
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
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- EasyRead mode for a paper-like reading experience

Features for the way you work
- Built-in stereo speakers for multimedia
- USB 3.0 enables fast data transfers and smart phone charging
- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design
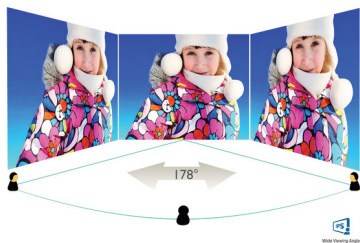- Designed to meet environmental standards
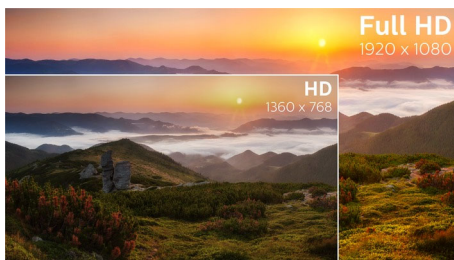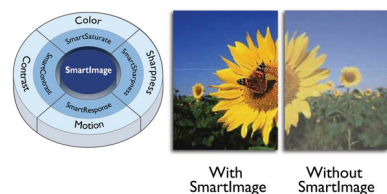
PHILIPS

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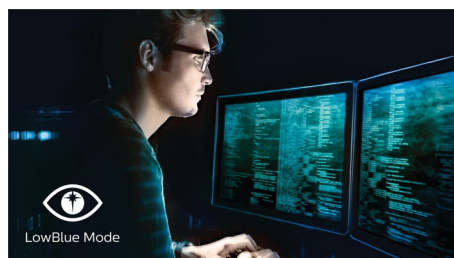
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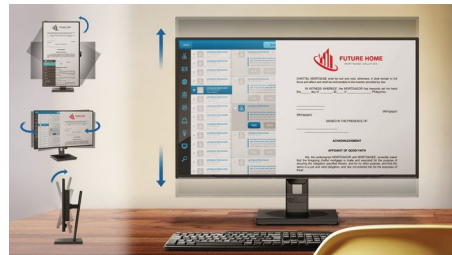
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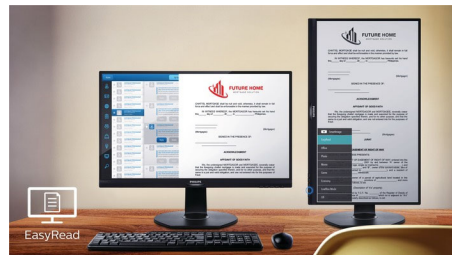
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EasyRead mode

EasyRead mode for a paper-like reading experience

Built-in stereo speakers

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

Specifications

Picture/Display
- Adaptive sync
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 27 inch / 68.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 597.89 (H) x 336.31 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Pixel Density: 82 PPI
- Response time (typical): 5 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.311 x 0.311 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 50 - 76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode

Connectivity
- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 3.0x2 (1 w/fast charging)*, USB 2.0 x 2
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience
- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand
- Height adjustment: 130 mm
- Pivot: -/+ 90 degree
- Swivel: -175/175 degree
- Tilt: -5/30 degree

Power
- ECO mode: 11.5 W (typ.)
- On mode: 14.99 W (typ.) (EnergyStar test method)
- Standby mode: < 0.5 W (typ.)

- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions
- Product with stand(max height): 625 x 530 x 224 mm
- Product with stand(max height): 24.6 x 20.9 x 8.8 inch
- Product without stand (mm): 625 x 370 x 51 mm
- Product without stand in inch: 24.6 x 14.6 x 2.0 inch
- Packaging in mm (WxHxD): 699 x 454 x 242 mm
- Packaging in inch (WxHxD): 27.4 x 17.9 x 9.5 inch

Weight
- Product with stand (kg): 6.76 kg
- Product with stand (lb): 14.87 lb
- Product without stand (kg): 4.42 kg
- Product without stand (lb): 9.72 lb
- Product with packaging (kg): 9.82 kg
- Product with packaging (lb): 21.60 lb

Operating conditions
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability
- Environmental and energy: EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS, WEEE
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TUV Ergo, TUV/GS, EPA, ICES-003, UKRAINIAN, MEPS, PSE

Cabinet
- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?
- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, Audio cable, Power cable
- User Documentation

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* Fast charging complies with USB BC 1.2 standard
* Response time value equal to SmartResponse
* The monitor may look different from feature images.

Display information
SCREEN SIZE (INCH)
21.5
FLAT / CURVED
Flat
DISPLAY HARDNESS
3H
PIXEL PITCH
0.24825
PANEL RESOLUTION

1920x1080
RESOLUTION NAME
FHD
ASPECT RATIO
16:9
PANEL TYPE
TN
BRIGHTNESS IN NITS
250
BACKLIGHT TYPE
WLED
REFRESH RATE
60Hz
RESPONSE TIME GTG
2 ms
STATIC CONTRAST RATIO
1000:1
DYNAMIC CONTRAST RATIO
20M:1
VIEWING ANGLE (CR10)
170/160
DISPLAY COLOURS
16.7 Million
Video Features
DIGITAL SIGNAL FREQUENCY
30 -83kHz (H) 50 -76 Hz (V)
COLOUR SPACE (SRGB) CIE 1931 %
99
COLOUR SPACE (ADOBE RGB) CIE 1931 %
73
FLICKER-FREE
✓
Cabinet information
REMOVABLE STAND
✓
VESA WALLMOUNT
100x100
Sustainability
TCO
7
EPEAT
Silver
WEEE
✓
ROHS COMPLIANT

✓

Power Consumption

POWER SUPPLY

Internal

POWER SOURCE

100 - 240V 50/60Hz

POWER CONSUMPTION ON (ENERGYSTAR TEST METHOD) IN WATTS

18

POWER CONSUMPTION STANDBY IN WATTS

0.5

Connectivity information

HDMI

HDMI 1.4 x 1

D-SUB (VGA)

✓

AUDIO OUTPUT

Headphone out (3.5mm)

Product Dimensions

PRODUCT DIMENSIONS INCL. BASE (H X W X D)

19.85(H) x 15.5(W) x 7.85(D)

GROSS WEIGHT INCL. PACKAGE (IN KG)

3.8

NET WEIGHT EXCL. PACKAGE (IN KG)

2.64

Regulatory Compliance

MICROSOFT WHQL

✓

PIXEL POLICY

ISO 9241-307

What's in the box

D-SUB (VGA) CABLE

1.8

WARRANTY PERIOD

3 years

MTBF (EXCLUDING PANEL)

50.000 hours

CRUCIAL® MX500 SOLID STATE DRIVE

2.5-inch SOLID STATE DRIVE

crucial by Micron

IT'S WORTH IT.

Every time you turn on your computer, you're using your storage drive. It holds all your irreplaceable files and it loads and saves almost everything your system does. Join more and more people who are keeping their family videos, travel photos, music, and important documents on an SSD, and get the near–instant performance and lasting reliability that comes with solid state storage. Upgrade with the Crucial® MX500 SSD, a drive built on quality, speed, and security that's all backed by helpful service and support. Even if you've never installed an SSD, don't sweat it – our step-by-step guide walks you through the process to make installation easy. It's worth it.

Start your system in seconds

Capacities up to 2TB

Easy installation

5-year limited warranty

LIMITED FIVE YEAR WARRANTY

# CRUCIAL® MX500 SOLID STATE DRIVE

Fly through everything you do

Start your system in seconds, load files almost instantly, and accelerate the most demanding applications with the Crucial MX500. Our Dynamic Write Acceleration technology uses an adaptable pool of high-speed, single-level cell flash memory to generate blistering speeds.

Store up to 2TB of data

Save massive amounts of photos, music, and videos comfortably and securely. With fast access to your media, creations, and designs, you're ready to share at the speed of your life.
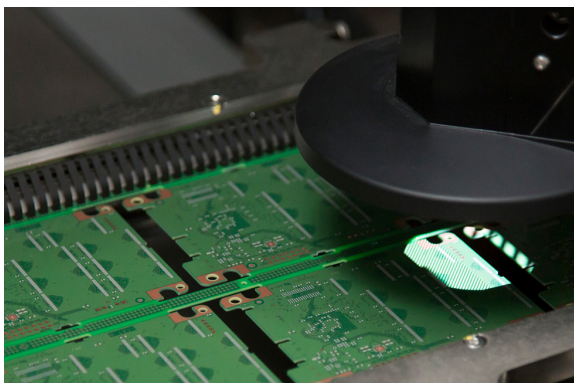
Enjoy the efficiency of next-gen Micron® 3D NAND

Our cutting-edge components are engineered from start to finish for efficiency. As a result, the Crucial MX500 uses only a minimal amount of power and still delivers a high price-to-performance ratio – without needing a financing plan to pay for it. Experience a faster, cooler, and quieter computer in your home or business. You'll wonder how you ever put up with a hard drive.

Install with confidence

For many people, opening a computer and transferring data seems terrifying. That's why we've made it easy in the step-by-step Crucial SSD Install Guide. Check it out before you buy, then install your own SSD quickly with everything transferred over successfully and hassle-free.

CRUCIAL® MX500 SOLID STATE DRIVE

Upgrade with a drive you can count on

With thousands of hours of pre-release validation, dozens of SSD qualification tests, and a heritage of award-winning SSDs, the Crucial MX500 has been thoroughly tried, tested, and proven. Secure your most important files on a drive with established dependability and the advanced features MX-series SSDs are known for.

## Crucial® MX500 SSD advanced features

Hardware-based encryption: Keep personal files and confidential data restricted from hackers and thieves with AES 256-bit encryption that meets all industry standards, including Microsoft® eDrive, IEEE-1667, and TCG Opal 2.0.

Integrated Power Loss Immunity: Avoid unintended data loss when the power unexpectedly goes out. This built-in feature of our new NAND protects your data swiftly and efficiently, so if your system suddenly shuts down, you keep all your saved work.

Exclusive Data Defense: Prevent your photos, music, videos, and other files from becoming corrupted and unusable with layers of error correction and adaptive read technology.
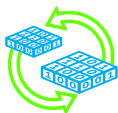
Redundant Array of Independent NAND: Protect your data at the component level with an SSD that automatically provides parity protection for your data. This high-end feature works similarly to how RAID is used with multiple hard drives and maintains the integrity of your data, especially for intense users.

Built-in durability: Because SSDs don't use moving parts that wear out over time (unlike hard drives), your files are less susceptible to a crash. SSDs are better equipped to survive physical trauma, like getting dropped, because they don't rely on mechanical parts.

Micron® quality – a higher level of reliability.

As a brand of Micron, one of the largest flash storage manufacturers in the world, the Crucial MX500 is backed by the same quality and engineering innovation that has produced some of the world's most advanced memory and storage technologies for more than 35 years. Split-second speeds, lasting reliability, and a decades-long legacy – upgrading with the Crucial MX500 gives you the best combination of quality, performance, and security. It's worth it.

CRUCIAL® MX500 SOLID STATE DRIVE

Life Expectancy (MTTF)
1.8 million hours

Endurance
250GB drive: 100TB Total Bytes Written (TBW), equal to 54GB per day for 5 years

500GB drive: 180TB Total Bytes Written (TBW), equal to 98GB per day for 5 years

1TB drive: 360TB Total Bytes Written (TBW), equal to 197GB per day for 5 years

2TB drive: 700TB Total Bytes Written (TBW), equal to 383GB per day for 5 years

Data Transfer Software
Acronis® True Image™ for Crucial® cloning software

Operating Temperature
0°C to 70°C

Firmware
User-upgradeable firmware

Compliance
CE, FCC, BSMI, C-Tick, VCCI, KCC RRL, RoHS, China RoHS, WEEE, TUV, UL, IC, Morocco, Halogen Free, SATA-IO

Advanced Features
- Dynamic Write Acceleration
- Redundant Array of Independent NAND (RAIN)
- Multistep Data Integrity Algorithm
- Adaptive Thermal Protection
- Integrated Power Loss Immunity
- Active Garbage Collection
- TRIM Support
- Self-Monitoring and Reporting Technology (SMART)
- Error Correction Code (ECC)
- Device Sleep Support

Warranty
Limited five-year warranty

Installation
For easy-to-follow instructions and our step-by-step guide, visit **crucial.com/ssd-install**
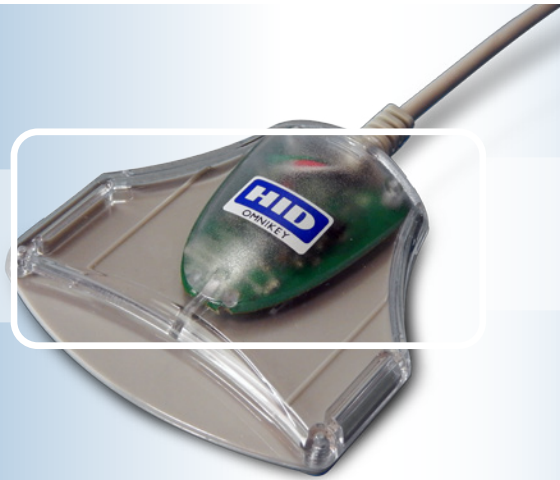
Support
For more resources and warranty information, visit **crucial.com/support**

Capacity	Part Number	Box Contents	Sequential Read MB/s[1]	Sequential Write MB/s[1]	Random Read IOPS[1]	Random Write IOPS[1]
Crucial® MX500 2.5-inch Solid State Drive						
250GB	CT250MX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, 7mm to 9.5mm spacer, Acronis® True Image™ for Crucial cloning software and installation instructions	560	510	95K	90K
500GB	CT500MX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, 7mm to 9.5mm spacer, Acronis® True Image™ for Crucial cloning software and installation instructions	560	510	95K	90K
1TB	CT1000MX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, 7mm to 9.5mm spacer, Acronis® True Image™ for Crucial cloning software and installation instructions	560	510	95K	90K
2TB	CT2000MX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, 7mm to 9.5mm spacer, Acronis® True Image™ for Crucial cloning software and installation instructions	560	510	95K	90K
Crucial® MX500 M.2 Type 2280 Solid State Drive						
250GB	CT250MX500SSD4	M.2 Type 2280 SSD, mounting screws, Acronis® True Image™ for Crucial cloning software	560	510	95K	90K
500GB	CT500MX500SSD4	M.2 Type 2280 SSD, mounting screws, Acronis® True Image™ for Crucial cloning software	560	510	95K	90K
1TB	CT1000MX500SSD4	M.2 Type 2280 SSD, mounting screws, Acronis® True Image™ for Crucial cloning software	560	510	95K	90K

Note: 1TB = 1 billion bytes. Actual useable capacity may vary. Not all capacities and form factors may be available at product launch.

1. Based on the published specs of the 1TB model. Speeds based on internal testing. Actual performance may vary.

HID

OMNIKEY® 3021
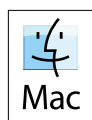# USB Reader

PORTABLE SMART CARD READER

- **Easy to install** – Eliminates the need to install drivers; uses native supported CCID drivers within the operating system.

- **Readily Compliant** – Meets all relevant industry standards for smooth integration in PC environment

- **Portable Form Factor** – Unique size makes it an ideal reader for large-scale deployments and mass distribution

- **Suits Any Application** – Compatible with virtually any smart card and major PC operating system

The OMNIKEY® 3021 is a high-performance, USB smart card reader that features all the trusted performance of OMNIKEY readers in a new and smaller form factor. Compliant with all industry standards, this reader is compatible with virtually any contact smart card, operating system and a variety of applications. This handy USB reader is the ideal choice for large-scale deployments with any type of contact smart card or application software. The 3021 can be easily distributed together with any smart card, including credit cards, e-ID cards or software for other applications.

HID

FEATURES:

- Meets major standards, including ISO 7816, EMVCo Terminal 1, USB CCID, PC / SC and HBCI (Home Banking Computer Interface)
- Usage within an application is based on standardized interfaces like PC / SC

- USB CCID support makes integration into an existing system the easiest ever by connecting host and smart card reader without the need for additional drivers
- Attractive, small size fits in an envelope to distribute with smart card, credit card, e-ID card or software for online banking or digital signature applications

- All major operating systems supported
- Meets GSA FIPS 201 requirements
- Supports high-speed data transmission
- UPC barcode for easier logistics

SPECIFICATIONS

|	
Base Model Number	OMNIKEY® 3021
	SMART CARD INTERFACE
Card Size	ID-1 (Full size)
Standards	ISO 7816
Supported Card Types	Class A: 5V @ 60 mA; Class B: 3 V @ 60 mA; Class C: 1.8V @35 mA ATR response time up to 1.6 s
Protocols	Asynchronous: T=0; T=1 Synchronous: S=8 (I²C) ; S=9 (3-wire); S=10 (2-wire)
Insertion Cycles	100,000
Smart Card Interface Speed	420 kbps
Smart Card Clock Frequency	up to 12 MHz
Smart Card detection	Movement detection with auto power-off; Automatic detection of smart card type; Short circuit and thermal protection
8-Pin Handling	C4 / C8 supported
	HOST INTERFACE
USB Interface	USB 2.0 Full Speed Device (12 MBps) USB 3.0 extended operability, tested with hubs/controllers
Connector / Cable	USB Type A connector; 59.1" (150 cm) cable
Operating Systems	Windows 10/8.1/8/7/Vista/Server 2012/Server 2008R2 Windows CE (5/6/7) depending on hardware Linux Debian 6.0+ / Ubuntu 11.04+/ Fedora 15+; Open SUSE 11.4+ Mac OS X; AndroidTM
Driver	CCID native driver from operating system
Supported APIs	PC/SC - API
	HUMAN INTERFACE
Status indicator	Blue LED
	HOUSING
Housing	Transparent / grey polycarbonate
Dimensions	2.91" x 2.52" x 0.51" (74 x 64 x 13 mm)
Weight	1.69 oz (48g)
	OPERATING CONDITIONS
Operating Temperature	32-131 F (0-55°C)
Operating Humidity	10-90% rH
Storage Temperature	-4 - 176 F (-20 - 80°C)
Meantime Between Failure (MTBF)	500.000 hours
	COMPLIANCE AND REGULATORY
Compliance / Certification	EMVCo Terminal Level 1 USB 2.0; TAA; GSA Fips 201 approved list
Regional certifications	CE, FCC, UL, VCCI, KCC, MIC, RCM (C-Tick)
Environmental	WEEE, RoHS, Reach
	OPERATING CONDITIONS
Warranty	Two-year manufacturer`s warranty

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

An ASSA ABLOY Group brand

ASSA ABLOY
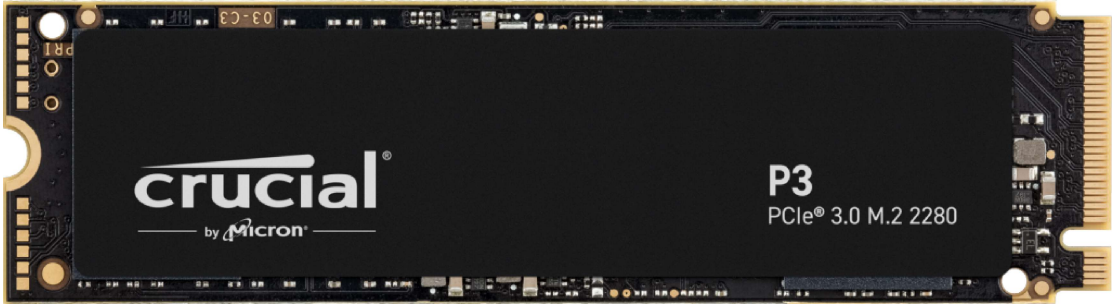
Crucial P3 1TB PCIe M.2 2280 SSD

CT1000P3SSD8

1TB (/ssd/p3/ct1000p3ssd8)

Crucial P3 SSD

Basic bootup speeds won't cut it — not at work, on the go, or in the game. But the Crucial® P3 SSD is anything but basic. With NVMe™ performance that's nearly 6x faster than SATA[2] and storage capacities up to 4TB[3], the P3 leaves older storage technology in the dust. Get faster bootups, downloads and file transfers, and store all your files, photos, videos, apps, and games with room to spare with the quality and dependability you expect from Crucial.

Capacity:

500GB, 1TB, 2TB, 4TB[2]

Generation:

PCIe 3.0 NVMe™ technology

Speed:

Sequential read/write
speeds up to
3500/3000MB/s[1]

Innovation:

Micron® Advanced 3D
NAND and innovative
controller technology

Warranty:

5-Year limited[6]

Form Factor:

M.2 (2280)

All Benefits

Product Specifications

SSD series - P3

Interface - NVMe (PCIe Gen 3 x4) ⓘ

Capacity - 1TB ⓘ

Sequential Read - 3500 MB/s ⓘ

Sequential Write - 3000 MB/s ⓘ

SSD Endurance (TBW) - 220TB ⓘ

Warranty - Limited 5-year ⓘ

Product resources

— **Benefits**

Affordable performance

Upgrade your PC with the performance it needs at a price you want.
The Crucial P3 NVMe™ SSD delivers load times and data transfers
that are 6x faster than SATA drives and 22x faster than HDDs[2].

Generous storage

With generous capacities up to 4TB[3], the Crucial P3 can hold massive amounts of files, documents, photos, videos, games, and apps, with room to spare.

High-quality innovation

Crucial P3 NVMe SSDs are built with high-quality Micron® Advanced 3D NAND, tested and validated to the exacting standards you've come to expect from one of the world's largest manufacturers of flash memory. Want proof? Go check out our award-winning line of SSDs.

Optimized security

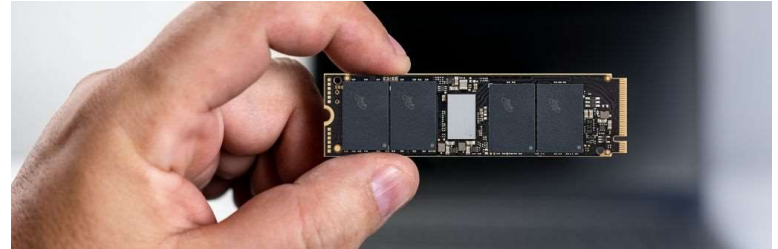SSD management software for performance optimization and firmware updates give the Crucial P3 everything you need for security and peace of mind.

Ongoing support

We've got your back! Crucial offers everything you need to get started and maintain optimal SSD performance.

- Step-by-step **installation instructions (https://www.crucial.com/support/ssd/ssd-install)**
- Free **Acronis True Image for Crucial (https://www.crucial.com/support/articles-faq-ssd/acronis-for-crucial-faq)** cloning software
- Free **Storage Executive (https://www.crucial.com/support/storage-executive)** software for firmware management

One of the largest memory and storage manufacturers worldwide

Micron® has been producing some of the world's most advanced memory and storage technologies for more than 40 years. All Crucial® products are developed by Micron's world-class engineering team to ensure best-in-class quality and reliability.

SDRW-08D2S-U Slim CD & DVD external writer

Harmony of Technology and Aesthetics

- PC/Mac compatible
- Windows 10 compatible
- Burn disc with enhanced data protection in just 3 quick steps and intuitive Disc Encryption lets you do this easily
- Elegant appearance embody the harmonious marriage of technology and aesthetics
- Disc Encryption doubles the security with password-controlled and hidden-file functionality
- Drag-and-burn interface accomplishes entire jobs in three easy steps

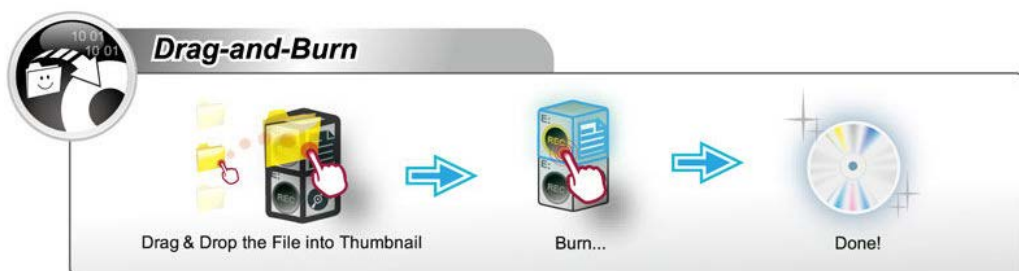*Stand is optional. Product bundle varies by regions.

Double security on-the-go

Disc Encryption doubles the security with Password-controlled and hidden-file functionality.

3 easy steps to complete disc burning

Drag-and-burn interface accomplishes entire jobs in three easy steps.

Bright and Dazzling Design

Elegant appearance embody the harmonious marriage of technology and aesthetics.

Specifications

Color	Black
	White

Read Speed	**DVD+R** : 8X
	DVD-R : 8X
	DVD+RW : 8X
	DVD-RW : 8X
	DVD-ROM : 8X
	DVD+R(DL) : 8X
	DVD-R(DL) : 8X
	DVD-ROM(DL) : 8X
	DVD-RAM : 5X
	CD-R : 24X
	CD-RW : 24X
	CD-ROM : 24X
	DVD Video Playback : 4X
	VCD Playback : 10X
	Audio CD Playback : 10X

Write Speed	**DVD+R** : 8X
	DVD-R : 8X
	DVD+RW : 8X
	DVD-RW : 6X
	DVD+R(DL) : 6X
	DVD-R(DL) : 6X
	DVD-RAM : 5X
	CD-R : 24X
	CD-RW : 16X

Writing Mode	**DVD+R & DVD+R(DL)** : Sequential Write
	DVD-R & DVD-R(DL) : DAO/Incremental Recording
	DVD+RW : Random Write
	DVD-RW : DAO/Restricted Overwrite/Incremental Recording
	DVD-RAM : Random Write
	CD-R/RW : DAO/TAO/SAO/Packet Write

Access time	DVD : 160 ms
	CD : 140 ms

Interface	USB 2.0

OS Support	Windows® 8 86x64
	Windows® 7 86x64
	Windows® Vista 86x64
	Windows® XP 86x64
	Windows® Server 2003
	Windows® Server 2008
	Mac OS X 10.5

System Requirements	CPU: Intel Pentium® 4 2.0GHz or AMD Athlon 2100+ or higher RAM: 512 MB or more is recommended HDD: 10 GB or higher
Software	Cyberlink Power2Go 7 E-Green
Disc Formats	Audio CD, Video CD, CD-I, CD-Extra, Photo CD, CD-Text, CD-ROM/XA, Multi-session CD, CD-R, CD-RW, CD-ROM , DVD±R(SL/DL), DVD±RW, DVD-ROM(SL/DL), DVD-RAM, DVD Video
Disc Diameters	12cm/8cm
Mounting Orientation	Vertical and Horizontal (+5° ~ -5°)
Dimensions	5.6 x 5.6 x .8 inch (LxWxH)
Weight	.62 lb
Power	USB Power +5V ± 5%
Temperature	Operating : 5 ℃ to 40 ℃ Storage : -30 ℃ to 60 ℃
Humidity	Operating : 15 % ~ 80 % (Non-condensing) Storage : 10 % ~ 90 % (Non-condensing)

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.

Topaz Systems Inc.

SigLite 1x5

T-S460

The Topaz® SigLite® 1x5 is a small, pressure-sensitive, low-cost electronic signature pad. It features all the high quality biometric and forensic capture techniques of a SignatureGem® 1x5 signature pad but with a touchpad and stylus in place of the active electromagnetic pen and sensor, making it both space-saving and cost-efficient.

The touchpad sensor (protected by an optional replaceable overlay for longer life) reads the digital, binary pressure of the stylus tip and transmits signature data to the computer at high speed for an easy, accurate electronic signature.

The SigLite 1x5 shows the signature on the computer screen only.

BENEFITS

✓ 3rd-generation touchpad signing surface for **cost efficiency**

✓ Small size and weight for **portability**

✓ High-quality **biometric and forensic** capture

✓ Topaz software suite bundled at **no additional cost** for complete signing and signature solution customization techniques

MODELS & DESCRIPTIONS

T-S460-HSX-R
High-Performance USB
Citrix Ready

T-S460-BSB-R
Virtual Serial via USB
Citrix Ready

T-S460-HSB-R
USB

T-S460-B-R
Serial

Bluetooth & Biometric ID models available. Visit www.topazsystems.com/siglite1x5.html.

SPECIFICATIONS

Warranty
2-years, with renewal option

QUALITY SIG
CAPTURE

ROHS
COMPLIANT

875 Patriot Drive
Unit A | Moorpark, CA
93021 | USA

P: 805.520.8282
F: 805.520.0867
www.topazsystems.com

TOPAZ SYSTEMS INC.

T-S460
SigLite 1x5

BUNDLED DEVELOPER'S TOOLS

SigPlus® Pro ActiveX　　Create applications using ActiveX or view electronically signed documents.

SigPlus Pro Java　　Available as a native Java bean.
SigPlus Pro C++　　Create applications in C.
SigPlus Pro .NET　　Native assembly for the .NET environment.
pDoc® SDKs　　Create applications to capture/embed eSignatures in digital signature fields in PDF documents.

BUNDLED UTILITIES & PLUG-INS

pDoc Signer®　　Create fillable forms and capture eSignatures in PDF documents or fillable forms.

SigTool Imager Plus™　　Make images from eSignatures.
SignMeIn™　　HIPAA-compatible software for front-desk sign-in.
Microsoft Office　　For signing in Word and Excel.
Adobe Acrobat　　Add and view signatures in PDFs using Acrobat.
OPOS Driver　　Signature pad drivers for OPOS systems.

PAD'S REMOTE USAGE OPTIONS

High-Performance USB　　"HSX" signature pads.
Virtual Serial　　"BSB" signature pads.
Serial　　"B" signature pads.

BUNDLED SERVER/BROWSER TOOLS

SigPlusExtLite™　　Supports Firefox, Chrome, Edge, and Opera under Windows. Can be used locally or remotely.
SigWeb™　　Integrate sig capture functionality into a web app using Firefox, Chrome, Edge, IE 11+, and Opera.
eSign Emcee®　　Incorporate eSignatures into existing document-processing work flows.

VERIFICATION SOFTWARE

SigCompare™　　Visually verify eSignatures without the need to create or store templates.
SigAnalyze®　　Available to forensic document examiners with an active signature dispute.

SPECIFICATIONS

Sensor Type
3rd-generation touchpad
Rated to 1 million signatures

Pen Type
Rugged, passive pen & tether
Patented, battery-less

Resolution & Conversion Rate
Exceeds industry standards
Programmable PPI

Dimensions
6.0" x 3.8" x 0.7"
152mm x 95mm x 18mm

Signing Area
4.3" x 1.4"
110mm x 35mm

Authentication Capability
Forensic quality .SIG data capable of examination and authentication with Topaz software

CIARA

C015-E
USB wired keyboard

An english standard 104 keys keyboard
with numéric keypad

FEATURES

Exclusively for CIARA

The C015-E keyboard has been exclusively developed for CIARA.
This compact and modern keyboard has been designed for people who prefer flat keyboards.

Plug and Play

It's easy to use - just plug it and start typing - no specic software or setup required.

Windows 10
32 et 64 bits

Windows 7
32 et 64 bits

SPECIFICATIONS

Keys and layout	Standard QWERTY layout Total of 104 keys 48 alphanumeric keys Standard layout based on Qwerty typewriter Numeric keypad with 0 to 9 figures and +-*/. Num lock and Return 12 function keys Print screen key 3 Windows® specific keys Permanent key labeling
Key life	10 000 000 actuations
LEDs	LEDs for Num lock, Scroll and Caps lock These LEDs are identified by pictograms
Interface	USB
Operating systems	Microsoft® Windows® 7 - 32 and 64 bits Microsoft® Windows® 10 - 32 and 64 bits
Mechanical	Ultra-thin profile, compact Two small legs that can be pulled out or pushed to change the keyboard angle
Size	438 mm x 150 mm x 18 mm (17.2" x 6" x 0.7")
Cable length	1.5 M ± 150 mm (5' ± 6")
Typing speed	1 000 characters per minute
Warranty	Three years, limited hardware warranty

CIARA

OPTICAL MOUSE
S555-1

Wired optical mouse
Three buttons USB

SPECIFICATIONS

Optical Technology	Works on virtually any surface.
Three buttons	Traditional two buttons on the left and right front sides, plus a third button under the mouse scroll wheel.
Wheel Scrolling	Move through your documents quickly without having to click on the scroll bar.
Ambidextre	You will appreciate the way the CIARA S555-1 optical mouse is shaped for your comfort. (Right or left hand)
Connectivity	USB only - plugs into the USB port.

Productivity-Enhancing
Performance

KRONOS 540
tower workstation

::CIARA

KRONOS 540
tower workstation

CIARA offers high-performance workstations that are designed to target the most demanding CAD, CAE, 3D rendering and post-production software.
The KRONOS workstations are purpose-built, quiet, energy-efficient and optimized to increase profitability as well as workflow productivity.

Form Factor	EATX Mid-Tower or 4U rackmount chassis
Motherboard	Asus® WS X299 PRO/SE
Chipset	Intel® X299
Processor	Intel® 7th generation Core™ i7 X-series, Core™ i9 X-series or Core™ i9 Extreme edition Intel® 9th generation Core™ i7 X-series, Core™ i9 X-series or Core™ i9 Extreme edition Intel® 10th generation Core™ i9 X-series or Core™ i9 Extreme edition all in the LGA2066 package.
Memory	Up to 128 GB, 8 DIMM (6-core above) or up to 64 GB, 4 DIMM (4-core) ; DDR4, 2666 MHz, non-ECC
Cooling system	Industrial grade advanced high performance available
Storage	1 M.2 slot, socket 3 with M key, type 2242/2260/228022110 storage devices support (PCIe 3.0 x4)*1 ; 1 M.2 slot, socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIe)*2 ; 1 U.2 connector - Intel® Optane™ memory ready - 6 SATA 6 Gb/s ports - RAID 0, 1, 5, 10 ; OS drive : SSD 128 GB to 2 TB, MLC NAND technology ; optional recovery disk : SATAIII or SSD.
Expansion Slots	4 PCIe 3.0 x16 slots ; 1 PCIe 3.0 x4 slot
Video	Gigabyte® GeForce® RTX 3060 TI with 8 GB GDDR6, 256 bit PCI Express 4.0, 2 DisplayPort 1.4a and 2 HDMI 2.1 available
Audio	Realtek® ALC S1220A, 8-channel high definition audio codec
Network Controller	2 Ethernet 1 Gigabit controllers : Intel® I210-AT
I/O Ports	2 network ports (RJ45) ; 2 USB 3.1 gen. 2 type A ports (1 rear, 1 int. header) ; 1 USB 3.1 gen. 2 type C (rear), 6 USB 3.1 gen 1 ports (2 front, 4 rear) ; 6 USB 2.0 4 ports (4 rear, 2 int. header) 1 optical S/PDIF out, 5+2 audio jacks ; 1 serial port header ; 2 M.2 Socket 3 with M key slots ; 1 U.2 connector ; 6 SATA 6 Gb/s ports
Casing	Mid-Tower or 4U rackmount chassis, In Win® PE689
Dimensions and weight	430 mm x 200 mm x 460 mm - 13.08 kg
Power Supply	850 W, 80 PLUS® Gold
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Management utilities for Embedded UEFI/BIOS tamper resistance integrated Embedded Trusted Platform Module 2.0, Intel® Trusted Execution Technology Ready, FIPS 140-2 and TCG certified Computrace protection utility present in BIOS NIST SP 800-147 compliant, secure UEFI Management utilities for Pre-boot and multi-factor authentication set up integrated
Management Tools	DMI LANDesk Client Manager Browser Updatable BIOS from either floppy drive, hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions DMI 2.0 compliant hardware management system Intel® Wired for Management Technology (WfM)
Environmental Features	APM 2.0 and ACPI 3.0 compliant power management Power consumption depending on system load (EIST) Overheat protection and shut down - CPU fan speed adjusted depending on CPU temperature EPA ENERGY STAR® 8.0 standard qualified
Warranty	One year, parts and labour, return to CIARA. All CIARA customers may elect to purchase an extended three year warranty additional to the standard one year warranty. If you are interested in purchasing a warranty extension, please advise your CIARA representative when requesting a quotation.
Notes	*1 Bandwidth is shared between M.2_2 and U.2 *2 SATA Bandwidth is shared between M.2_1 and SAT6G_1

1 (877) 242-7272 | sales@ciaratech.com | ciaratech.com

UPC Code

62863491254006

intel partner Titanium

:::CIARA

Big on Performance, Big on Style

TECRA® A50-K

Offering next-level performance and a tough, stylish chassis, the 15-inch Tecra® A50-K from Dynabook makes any place a productive workspace. Configurable with powerful and efficient hybrid-architecture 12th Gen Intel® Core™ processors, up to 64GB of memory, Wi-Fi 6E and Thunderbolt™ 4, it's faster and more productive than ever. Measuring just 19.9mm thin, this laptop is tough, designed to meet MIL-STD-810H durability standards, and stays clean with an antimicrobial IONPURE® IPL[1] coating. Backed by Dynabook reliability +Care Service® Warranty[2] with On-Site, the Tecra A50 is always ready to get the job done.

Windows 11

intel.

intel. CORE vPRO i5

intel. CORE vPRO i7

intel. iRISxe GRAPHICS

us.dynabook.com

TECRA® A50-K

Processor
With new hybrid architecture 12th Gen Intel® Core™ processors, configurable up to 12 cores, and Intel® Iris® X^e graphics, the Tecra A50-K benefits from a massive performance and efficiency boost.

Operating System
Windows 11 Pro provides enhanced productivity features that deliver users a more personalized and intuitive user experience. The Tecra A50-K can also be pre-configured with Windows 10 Pro and is eligible for a free upgrade to Windows 11 Pro.

Display
Equipped with a large 15.6-inch display, the Tecra A50-K is the perfect size for maximizing productivity. Available in touch and non-touch configurations, Dynabook has screen options to fit everybody's work style.

Audio
Great for collaborating, videoconferencing, and more, the integrated stereo speakers produce clear, intelligible audio, while DTS® audio processing dials in the performance for different content types.

Input Devices
Packed within the small footprint of this large laptop is a full-sized, backlit keyboard with 10-key and a large ClickPad, that together provide a comfortable and productive workspace.

Expansion
The Tecra A50-K is equipped with all the ports most professionals need for work, including two USB Type-A and two USB Type-C® Thunderbolt™ 4 ports, Gigabit LAN, a 3.5mm audio jack and a microSD™ card slot.

Docking
For maximized workspace productivity, Dynabook offers docking solutions that charge your laptop, support up to four external 4K displays and connect several USB-A accessories with a single-wire connection.

Standing Out From the Crowd
The Tecra A50 boasts a unique Mystic Blue chassis with a distinctive raised wave detail on the lid that stands out from a sea of look-alike competitors. The laptops also incorporate an EPA-approved antimicrobial paint additive called IONPURE® IPL[1] to help inhibit the growth of bacteria.

Next-Gen Processor for Next-Level Performance
Offering the latest hybrid architecture 12th Gen Intel® Core™ processors, Intel® Iris® X^e graphics and up to 64GB of memory, the Tecra® A50-K can be outfitted for serious performance.

Fortified For Mission-Critical Security
Engineered to meet Microsoft's strict Secured-core PC requirements, the Tecra® A50-K features secure hardware and software designed to offer unrelenting protection against data, device, and identity threats.

Defends Against Microbes
The Tecra® A50-K boasts a unique Mystic Blue chassis that stands out from a sea of monochromatic competitors. The base, lid and palm rest are also coated in an EPA-approved antimicrobial paint additive called IONPURE® IPL to help inhibit the growth of bacteria.

A Full-Size Workspace In A Compact Footprint
The thin and lightweight Tecra® A50-K packs a full-size workspace, complete with a narrow-bezel 15.6-inch display and backlit keyboard with 10-key and large SecurePad into a surprisingly compact footprint.

Connect At Superhero Speeds
With two Thunderbolt™ 4 ports, users can connect to modern accessories, docks, displays, and more at blistering speeds. Dynabook offers wired docking solutions that seamlessly connect up to four external 4K displays, as well as a variety of other USB and USB-C® accessories with a single cable connection.

Torture Tested To Extreme Standards
Go from the office to the field and anywhere in between with confidence that your laptop will endure the environment. With a tough and lightweight chassis design, the Tecra® A50-K was designed to pass MIL-STD-810H testing standards for durability and endurance.

Backed By The Best Warranty In The Business
The Tecra® A50 comes standard with Dynabook's +Care Service® Warranty[2] with On-Site service (up to four years for build-to-order configurations). +Care Service warranties help businesses reduce IT costs by minimizing laptop downtime.

Mastering The Modern Hybrid Workplace
Beyond its go-anywhere portability and unrelenting security, the Tecra® A50 fosters a collaborative modern workplace with its HD webcam with privacy shutter, dual beamforming mics and powerful stereo speakers with DTS® audio enhancement.

us.dynabook.com

dynabook

Formerly TOSHIBA PC Company

Tecra® A50-K

Platform Specifications and Configurable Options

Operating System*
Windows 11 Pro
Windows 10 Pro (with downgrade facilitation rights)

Processor*
Up to 12th generation Intel® Core™ i7 vPro™ P28
    series processors

Graphics
Intel® UHD Graphics
Intel® Iris® Xe Graphics

Memory*
Up to 64 GB DDR4
2 memory slots

Display
15.6" HD (1366x768) display
15.6" FHD (1920x1080) display
15.6" FHD (1920x1080) IPS display
15.6" FHD (1920x1080) IPS display
    • 10-point multi-touch

Storage*
Up to 1 TB Gen 4 PCIe NVMe SSD

Communications
Intel Ethernet Connection i219
Intel Wi-Fi 6E AX211 802.11ax
Bluetooth™ 5.2

Camera w/ Privacy Shutter*
Webcam with dual-microphones
Infrared IR camera for Windows Hello™ Face Sign-in

Audio
Dual-Array Microphones
Stereo speakers
DTS® Audio Processing

Ports
HDMI®
Two (2) USB-C® 4.0 / Thunderbolt™ 4 ports
Two (2) USB 3.2 Gen 1 Type-A ports
    • One (1) with USB Sleep & Charge support
RJ-45 Ethernet LAN port
Headset jack
    • Microphone / Headphone combo port
microSD™ card slot

Security*
Microsoft Secured-core PC
Trusted Platform Module (dTPM) 2.0
Fingerprint reader
Smart Card reader
Security Lock slot

Input Devices
Premium raised-tile, backlit keyboard
10-key Numeric Pad
ClickPad pointing device

Battery
53 Wh battery

Physical Description
Mystic Blue Wave
Designed to pass MIL-STD-810H testing
    methodologies
IONPURE® IPL[1] Antimicrobial Paint Coating
Dimensions:
    • 358.2 x 236.9 x 19.9 millimeters
    • 14.10 x 9.93 x 0.78 inches
Starting Weight:
    • 1.63 kilograms
    • 3.59 pounds

Regulatory / Environmental Specifications
EPEAT® Rated
ENERGY STAR® Qualified
RoHS compatible

Warranty*
+Care Service® Warranty with On-Site[2]

* Based on Configuration

** Visit http://us.dynabook.com/info for a complete list of all product legal footnotes

Optional Accessories
PS0120UA1PRP – Dynaook Thunderbolt™ 4 Dock
PA5356U-1PRP – Dynabook USB-C® Dock
PS0001UA1PRP – USB-C® to HDMI / VGA / LAN / USB 3.0 Adapter with Power
    Delivery (PD) Charging

PS0089UA1PRP – USB-C® to VGA / LAN Adapter with Power
    Delivery (PD) Charging
PA5270U-1PRP – USB-C® to VGA Adapter with Power Delivery
    (PD) Charging
PA5352U-1ACA – 65W USB-C® AC Adapter (5V / 9V / 15V / 20V)
PA5367U-1ACA – 65W AC Adapter (4mm round)

+care®
+Care Service® Warranty

+Care Service® is Dynabook Americas' new, premier standard warranty. This new standard warranty provides customers access to all available Dynabook Americas service options including Technical Phone Support, Depot Repair Service, Carry-In Service, On-Site Service, and Customer Replaceable Parts. Dynabook's standard limited warranty terms and limitations apply. Visit https://support.dynabook.com/warranty for details.

us.dynabook.com

Big on Performance, Big on Style

TECRA® A50-K

Offering next-level performance and a tough, stylish chassis, the 15-inch Tecra® A50-K from Dynabook makes any place a productive workspace. Configurable with powerful and efficient hybrid-architecture 12th Gen Intel® Core™ processors, up to 64GB of memory, Wi-Fi 6E and Thunderbolt™ 4, it's faster and more productive than ever. Measuring just 19.9mm thin, this laptop is tough, designed to meet MIL-STD-810H durability standards, and stays clean with an antimicrobial IONPURE® IPL[1] coating. Backed by Dynabook reliability +Care Service® Warranty[2] with On-Site, the Tecra A50 is always ready to get the job done.

Windows 11

intel

intel. CORE vPRO i5

intel. CORE vPRO i7

intel. iRISxe GRAPHICS

us.dynabook.com

TECRA® A50-K

Processor
With new hybrid architecture 12th Gen Intel® Core™ processors, configurable up to 12 cores, and Intel® Iris® Xᵉ graphics, the Tecra A50-K benefits from a massive performance and efficiency boost.

Operating System
Windows 11 Pro provides enhanced productivity features that deliver users a more personalized and intuitive user experience. The Tecra A50-K can also be pre-configured with Windows 10 Pro and is eligible for a free upgrade to Windows 11 Pro.

Display
Equipped with a large 15.6-inch display, the Tecra A50-K is the perfect size for maximizing productivity. Available in touch and non-touch configurations, Dynabook has screen options to fit everybody's work style.

Audio
Great for collaborating, videoconferencing, and more, the integrated stereo speakers produce clear, intelligible audio, while DTS® audio processing dials in the performance for different content types.

Input Devices
Packed within the small footprint of this large laptop is a full-sized, backlit keyboard with 10-key and a large ClickPad, that together provide a comfortable and productive workspace.

Expansion
The Tecra A50-K is equipped with all the ports most professionals need for work, including two USB Type-A and two USB Type-C® Thunderbolt™ 4 ports, Gigabit LAN, a 3.5mm audio jack and a microSD™ card slot.

Docking
For maximized workspace productivity, Dynabook offers docking solutions that charge your laptop, support up to four external 4K displays and connect several USB-A accessories with a single-wire connection.

Standing Out From the Crowd
The Tecra A50 boasts a unique Mystic Blue chassis with a distinctive raised wave detail on the lid that stands out from a sea of look-alike competitors. The laptops also incorporate an EPA-approved antimicrobial paint additive called IONPURE® IPL[1] to help inhibit the growth of bacteria.

Next-Gen Processor for Next-Level Performance
Offering the latest hybrid architecture 12th Gen Intel® Core™ processors, Intel® Iris® Xᵉ graphics and up to 64GB of memory, the Tecra® A50-K can be outfitted for serious performance.

Fortified For Mission-Critical Security
Engineered to meet Microsoft's strict Secured-core PC requirements, the Tecra® A50-K features secure hardware and software designed to offer unrelenting protection against data, device, and identity threats.

Defends Against Microbes
The Tecra® A50-K boasts a unique Mystic Blue chassis that stands out from a sea of monochromatic competitors. The base, lid and palm rest are also coated in an EPA-approved antimicrobial paint additive called IONPURE® IPL to help inhibit the growth of bacteria.

A Full-Size Workspace In A Compact Footprint
The thin and lightweight Tecra® A50-K packs a full-size workspace, complete with a narrow-bezel 15.6-inch display and backlit keyboard with 10-key and large SecurePad into a surprisingly compact footprint.

Connect At Superhero Speeds
With two Thunderbolt™ 4 ports, users can connect to modern accessories, docks, displays, and more at blistering speeds. Dynabook offers wired docking solutions that seamlessly connect up to four external 4K displays, as well as a variety of other USB and USB-C® accessories with a single cable connection.

Torture Tested To Extreme Standards
Go from the office to the field and anywhere in between with confidence that your laptop will endure the environment. With a tough and lightweight chassis design, the Tecra® A50-K was designed to pass MIL-STD-810H testing standards for durability and endurance.

Backed By The Best Warranty In The Business
The Tecra® A50 comes standard with Dynabook's +Care Service® Warranty[2] with On-Site service (up to four years for build-to-order configurations). +Care Service warranties help businesses reduce IT costs by minimizing laptop downtime.

Mastering The Modern Hybrid Workplace
Beyond its go-anywhere portability and unrelenting security, the Tecra® A50 fosters a collaborative modern workplace with its HD webcam with privacy shutter, dual beamforming mics and powerful stereo speakers with DTS® audio enhancement.

us.dynabook.com

Tecra® A50-K

Platform Specifications and Configurable Options

Operating System*
Windows 11 Pro
Windows 10 Pro (with downgrade facilitation rights)

Processor*
Up to 12th generation Intel® Core™ i7 vPro™ P28
    series processors

Graphics
Intel® UHD Graphics
Intel® Iris® Xᵉ Graphics

Memory*
Up to 64 GB DDR4
2 memory slots

Display
15.6" HD (1366x768) display
15.6" FHD (1920x1080) display
15.6" FHD (1920x1080) IPS display
15.6" FHD (1920x1080) IPS display
    • 10-point multi-touch

Storage*
Up to 1 TB Gen 4 PCIe NVMe SSD

Communications
Intel Ethernet Connection i219
Intel Wi-Fi 6E AX211 802.11ax
Bluetooth™ 5.2

Camera w/ Privacy Shutter*
Webcam with dual-microphones
Infrared IR camera for Windows Hello™ Face Sign-in

Audio
Dual-Array Microphones
Stereo speakers
DTS® Audio Processing

Ports
HDMI®
Two (2) USB-C® 4.0 / Thunderbolt™ 4 ports
Two (2) USB 3.2 Gen 1 Type-A ports
    • One (1) with USB Sleep & Charge support
RJ-45 Ethernet LAN port
Headset jack
    • Microphone / Headphone combo port
microSD™ card slot

Security*
Microsoft Secured-core PC
Trusted Platform Module (dTPM) 2.0
Fingerprint reader
Smart Card reader
Security Lock slot

Input Devices
Premium raised-tile, backlit keyboard
10-key Numeric Pad
ClickPad pointing device

Battery
53 Wh battery

Physical Description
Mystic Blue Wave
Designed to pass MIL-STD-810H testing
    methodologies
IONPURE® IPL[1] Antimicrobial Paint Coating
Dimensions:
    • 358.2 x 236.9 x 19.9 millimeters
    • 14.10 x 9.93 x 0.78 inches
Starting Weight:
    • 1.63 kilograms
    • 3.59 pounds

Regulatory / Environmental Specifications
EPEAT® Rated
ENERGY STAR® Qualified
RoHS compatible

Warranty*
+Care Service® Warranty with On-Site[2]

* Based on Configuration

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Optional Accessories
PS0120UA1PRP – Dynaook Thunderbolt™ 4 Dock
PA5356U-1PRP – Dynabook USB-C® Dock
PS0001UA1PRP – USB-C® to HDMI / VGA / LAN / USB 3.0 Adapter with Power
    Delivery (PD) Charging

PS0089UA1PRP – USB-C® to VGA / LAN Adapter with Power
    Delivery (PD) Charging
PA5270U-1PRP – USB-C® to VGA Adapter with Power Delivery
    (PD) Charging
PA5352U-1ACA – 65W USB-C® AC Adapter (5V / 9V / 15V / 20V)
PA5367U-1ACA – 65W AC Adapter (4mm round)

+Care Service® Warranty

+Care Service® is Dynabook Americas' new, premier standard warranty. This new standard warranty provides customers access to all available Dynabook Americas service options including Technical Phone Support, Depot Repair Service, Carry-In Service, On-Site Service, and Customer Replaceable Parts. Dynabook's standard limited warranty terms and limitations apply. Visit https://support.dynabook.com/warranty for details.

CIARA

C015-E
USB wired keyboard

An english standard 104 keys keyboard
with numéric keypad

FEATURES

Exclusively for CIARA

The C015-E keyboard has been exclusively developed for CIARA.
This compact and modern keyboard has been designed for people who prefer flat keyboards.

Plug and Play

It's easy to use - just plug it and start typing - no specic software or setup required.

Windows 10
32 et 64 bits

Windows 7
32 et 64 bits

SPECIFICATIONS

Keys and layout	Standard QWERTY layout Total of 104 keys 48 alphanumeric keys Standard layout based on Qwerty typewriter Numeric keypad with 0 to 9 figures and +-*/. Num lock and Return 12 function keys Print screen key 3 Windows® specific keys Permanent key labeling
Key life	10 000 000 actuations
LEDs	LEDs for Num lock, Scroll and Caps lock These LEDs are identified by pictograms
Interface	USB
Operating systems	Microsoft® Windows® 7 - 32 and 64 bits Microsoft® Windows® 10 - 32 and 64 bits
Mechanical	Ultra-thin profile, compact Two small legs that can be pulled out or pushed to change the keyboard angle
Size	438 mm x 150 mm x 18 mm (17.2" x 6" x 0.7")
Cable length	1.5 M ± 150 mm (5' ± 6")
Typing speed	1 000 characters per minute
Warranty	Three years, limited hardware warranty

CIARA

OPTICAL MOUSE
S555-1

Wired optical mouse
Three buttons USB

SPECIFICATIONS

Optical Technology	Works on virtually any surface.
Three buttons	Traditional two buttons on the left and right front sides, plus a third button under the mouse scroll wheel.
Wheel Scrolling	Move through your documents quickly without having to click on the scroll bar.
Ambidextre	You will appreciate the way the CIARA S555-1 optical mouse is shaped for your comfort. (Right or left hand)
Connectivity	USB only - plugs into the USB port.

desktop computer

HORIZON T12160

HORIZON D12160

::CIARA

HORIZON D12160
HORIZON T12160
desktop computer

Powered by the latest generation of Intel® Core™ processors, our business-class desktops and micro PCs can be customized to your exact requirements. We understand that you require budget-friendly, energy-efficient systems that provide superior reliability and speed-up your everyday business computing tasks.

Form Factor	Micro ATX
Motherboard	Asus® PRIME H610M-E D4
Chipset	Intel® H610
Processor	12th Generation Intel® Core™, socket LGA1700
Memory	Up to 64 GB SDRAM DDR4 288-pin, dual or single channel, 3200 MHz (2 slots)
Storage	1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x4 mode) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x2 mode) ; 4 SATA 6.0 Gb/s ports.
Expansion Slots	1 PCIe 4.0 x16 slot (mode x16), 1 PCIe 3.0 x1 slot
Video	Intel® FDI video interface, supports up to 3 displays simultaneously (VGA, DisplayPort 1.4 and HDMI 2.1 outputs) ; 1 PCI Express 4.0 x16 slot for discrete add-on controller
Audio	8 channel High Definition audio controller with Realtek® audio codec Built-in speaker for the recreation of Windows generated sound events
Network Controller	1 Realtek® 1 Gigabit Ethernet controller with Wake-on-Lan PXE 2.0 feature
I/O Ports	2 USB 3.2 gen. 1 type A ports (rear) ; 2 USB 3.1 gen. 1 ports (front panel)(2 type A for D12160)(1 type C and 1 type A for T12160) ; 6 USB 2.0 ports (2 rear and 4 internal header for D12160)(2 rear, 2 front panel and 2 internal header for T12160) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x4 mode) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x2 mode) ; 4 SATA 6.0 Gb/s ports ; VGA, DisplayPort 1.4 and HDMI 2.1 ports ; RJ45 port ; audio ports (3 + 2) ; 2 PS/2 ports ; 1 serial port header ; 1 S/PDIF out header ; TPM header ; 1 RGB header
Casing	Desktop type (µATX) for the Horizon D12160 ; Tower type (µATX or ATX) for the Horizon T12160
Dimensions and weight	D12160 : 338 mm W x 102 mm H x 356 mm D (12.27 L) - 4.83 kg T12160 : 180 mm W x 390 mm D x 360 mm H (25.27 L) - 5.53 kg
Power Supply	Compliant with Wake-on-Lan feature
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Security loop to prevent casing opening and to secure PC Password protected CMOS utility program BIOS default boot device option protected by password BIOS can not be flashed without password BIOS level disabling capability : serial and USB ports
Management Tools	DMI LANDesk Client Manager Browser Updatable BIOS from either floppy drive, hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions DMI 2.0 compliant hardware management system Intel® Wired for Management Technology (WfM) Intel® Rapid Storage Technology ; Intel® Smart Response Technology
Environmental Features	APM 2.0 and ACPI 5.0 compliant Power Management Power consumption depending on system load (EIST) Overheat protection and shut down CPU fan speed adjusted depending on CPU temperature
Warranty	One year, parts and labour, return to CIARA. All CIARA customers may elect to purchase an extended three year warranty additional to the standard one year warranty. If you are interested in purchasing a warranty extension, please advise your CIARA representative when requesting a quotation.

D12160 UPC Code
62863491212167

T12160 UPC Code
62863491212150

1 (877) 242-7272 | sales@ciaratech.com | ciaratech.com

intel partner Titanium

CIARA

Big on Performance, Big on Style

TECRA® A50-K

Offering next-level performance and a tough, stylish chassis, the 15-inch Tecra® A50-K from Dynabook makes any place a productive workspace. Configurable with powerful and efficient hybrid-architecture 12th Gen Intel® Core™ processors, up to 64GB of memory, Wi-Fi 6E and Thunderbolt™ 4, it's faster and more productive than ever. Measuring just 19.9mm thin, this laptop is tough, designed to meet MIL-STD-810H durability standards, and stays clean with an antimicrobial IONPURE® IPL[1] coating. Backed by Dynabook reliability +Care Service® Warranty[2] with On-Site, the Tecra A50 is always ready to get the job done.

TECRA® A50-K

Processor
With new hybrid architecture 12th Gen Intel® Core™ processors, configurable up to 12 cores, and Intel® Iris® Xe graphics, the Tecra A50-K benefits from a massive performance and efficiency boost.

Operating System
Windows 11 Pro provides enhanced productivity features that deliver users a more personalized and intuitive user experience. The Tecra A50-K can also be pre-configured with Windows 10 Pro and is eligible for a free upgrade to Windows 11 Pro.

Display
Equipped with a large 15.6-inch display, the Tecra A50-K is the perfect size for maximizing productivity. Available in touch and non-touch configurations, Dynabook has screen options to fit everybody's work style.

Audio
Great for collaborating, videoconferencing, and more, the integrated stereo speakers produce clear, intelligible audio, while DTS® audio processing dials in the performance for different content types.

Input Devices
Packed within the small footprint of this large laptop is a full-sized, backlit keyboard with 10-key and a large ClickPad, that together provide a comfortable and productive workspace.

Expansion
The Tecra A50-K is equipped with all the ports most professionals need for work, including two USB Type-A and two USB Type-C® Thunderbolt™ 4 ports, Gigabit LAN, a 3.5mm audio jack and a microSD™ card slot.

Docking
For maximized workspace productivity, Dynabook offers docking solutions that charge your laptop, support up to four external 4K displays and connect several USB-A accessories with a single-wire connection.

Standing Out From the Crowd
The Tecra A50 boasts a unique Mystic Blue chassis with a distinctive raised wave detail on the lid that stands out from a sea of look-alike competitors. The laptops also incorporate an EPA-approved antimicrobial paint additive called IONPURE® IPL[1] to help inhibit the growth of bacteria.

Next-Gen Processor for Next-Level Performance
Offering the latest hybrid architecture 12th Gen Intel® Core™ processors, Intel® Iris® Xe graphics and up to 64GB of memory, the Tecra® A50-K can be outfitted for serious performance.

Fortified For Mission-Critical Security
Engineered to meet Microsoft's strict Secured-core PC requirements, the Tecra® A50-K features secure hardware and software designed to offer unrelenting protection against data, device, and identity threats.

Defends Against Microbes
The Tecra® A50-K boasts a unique Mystic Blue chassis that stands out from a sea of monochromatic competitors. The base, lid and palm rest are also coated in an EPA-approved antimicrobial paint additive called IONPURE® IPL to help inhibit the growth of bacteria.

A Full-Size Workspace In A Compact Footprint
The thin and lightweight Tecra® A50-K packs a full-size workspace, complete with a narrow-bezel 15.6-inch display and backlit keyboard with 10-key and large SecurePad into a surprisingly compact footprint.

Connect At Superhero Speeds
With two Thunderbolt™ 4 ports, users can connect to modern accessories, docks, displays, and more at blistering speeds. Dynabook offers wired docking solutions that seamlessly connect up to four external 4K displays, as well as a variety of other USB and USB-C® accessories with a single cable connection.

Torture Tested To Extreme Standards
Go from the office to the field and anywhere in between with confidence that your laptop will endure the environment. With a tough and lightweight chassis design, the Tecra® A50-K was designed to pass MIL-STD-810H testing standards for durability and endurance.

Backed By The Best Warranty In The Business
The Tecra® A50 comes standard with Dynabook's +Care Service® Warranty[2] with On-Site service (up to four years for build-to-order configurations). +Care Service warranties help businesses reduce IT costs by minimizing laptop downtime.

Mastering The Modern Hybrid Workplace
Beyond its go-anywhere portability and unrelenting security, the Tecra® A50 fosters a collaborative modern workplace with its HD webcam with privacy shutter, dual beamforming mics and powerful stereo speakers with DTS® audio enhancement.

Tecra® A50-K

Platform Specifications and Configurable Options

Operating System*
Windows 11 Pro
Windows 10 Pro (with downgrade facilitation rights)

Processor*
Up to 12th generation Intel® Core™ i7 vPro™ P28
    series processors

Graphics
Intel® UHD Graphics
Intel® Iris® Xe Graphics

Memory*
Up to 64 GB DDR4
2 memory slots

Display
15.6" HD (1366x768) display
15.6" FHD (1920x1080) display
15.6" FHD (1920x1080) IPS display
15.6" FHD (1920x1080) IPS display
    • 10-point multi-touch

Storage*
Up to 1 TB Gen 4 PCIe NVMe SSD

Communications
Intel Ethernet Connection i219
Intel Wi-Fi 6E AX211 802.11ax
Bluetooth™ 5.2

Camera w/ Privacy Shutter*
Webcam with dual-microphones
Infrared IR camera for Windows Hello™ Face Sign-in

Audio
Dual-Array Microphones
Stereo speakers
DTS® Audio Processing

Ports
HDMI®
Two (2) USB-C® 4.0 / Thunderbolt™ 4 ports
Two (2) USB 3.2 Gen 1 Type-A ports
    • One (1) with USB Sleep & Charge support
RJ-45 Ethernet LAN port
Headset jack
    • Microphone / Headphone combo port
microSD™ card slot

Security*
Microsoft Secured-core PC
Trusted Platform Module (dTPM) 2.0
Fingerprint reader
Smart Card reader
Security Lock slot

Input Devices
Premium raised-tile, backlit keyboard
10-key Numeric Pad
ClickPad pointing device

Battery
53 Wh battery

Physical Description
Mystic Blue Wave
Designed to pass MIL-STD-810H testing
    methodologies
IONPURE® IPL[1] Antimicrobial Paint Coating
Dimensions:
    • 358.2 x 236.9 x 19.9 millimeters
    • 14.10 x 9.93 x 0.78 inches
Starting Weight:
    • 1.63 kilograms
    • 3.59 pounds

Regulatory / Environmental Specifications
EPEAT® Rated
ENERGY STAR® Qualified
RoHS compatible

Warranty*
+Care Service® Warranty with On-Site[2]

* Based on Configuration

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Optional Accessories
PS0120UA1PRP – Dynaook Thunderbolt™ 4 Dock
PA5356U-1PRP – Dynabook USB-C® Dock
PS0001UA1PRP – USB-C® to HDMI / VGA / LAN / USB 3.0 Adapter with Power
    Delivery (PD) Charging

PS0089UA1PRP – USB-C® to VGA / LAN Adapter with Power
    Delivery (PD) Charging
PA5270U-1PRP – USB-C® to VGA Adapter with Power Delivery
    (PD) Charging
PA5352U-1ACA – 65W USB-C® AC Adapter (5V / 9V / 15V / 20V)
PA5367U-1ACA – 65W AC Adapter (4mm round)

+care ®
+Care Service® Warranty

+Care Service® is Dynabook Americas' new, premier standard warranty. This new standard warranty provides customers access to all available Dynabook Americas service options including Technical Phone Support, Depot Repair Service, Carry-In Service, On-Site Service, and Customer Replaceable Parts. Dynabook's standard limited warranty terms and limitations apply. Visit https://support.dynabook.com/warranty for details.

CIARA

C015-E
USB wired keyboard

An english standard 104 keys keyboard
with numéric keypad

FEATURES

Exclusively for CIARA

The C015-E keyboard has been exclusively developed for CIARA.
This compact and modern keyboard has been designed for people who prefer flat keyboards.

Plug and Play

It's easy to use - just plug it and start typing - no specic software or setup required.

Windows 10
32 et 64 bits

Windows 7
32 et 64 bits

SPECIFICATIONS

Keys and layout	Standard QWERTY layout Total of 104 keys 48 alphanumeric keys Standard layout based on Qwerty typewriter Numeric keypad with 0 to 9 figures and +-*/. Num lock and Return 12 function keys Print screen key 3 Windows® specific keys Permanent key labeling
Key life	10 000 000 actuations
LEDs	LEDs for Num lock, Scroll and Caps lock These LEDs are identified by pictograms
Interface	USB
Operating systems	Microsoft® Windows® 7 - 32 and 64 bits Microsoft® Windows® 10 - 32 and 64 bits
Mechanical	Ultra-thin profile, compact Two small legs that can be pulled out or pushed to change the keyboard angle
Size	438 mm x 150 mm x 18 mm (17.2" x 6" x 0.7")
Cable length	1.5 M ± 150 mm (5' ± 6")
Typing speed	1 000 characters per minute
Warranty	Three years, limited hardware warranty

CIARA

OPTICAL MOUSE
S555-1

Wired optical mouse
Three buttons USB

SPECIFICATIONS

Optical Technology	Works on virtually any surface.
Three buttons	Traditional two buttons on the left and right front sides, plus a third button under the mouse scroll wheel.
Wheel Scrolling	Move through your documents quickly without having to click on the scroll bar.
Ambidextre	You will appreciate the way the CIARA S555-1 optical mouse is shaped for your comfort. (Right or left hand)
Connectivity	USB only - plugs into the USB port.

desktop computer

HORIZON T12160

HORIZON D12160

::CIARA

HORIZON D12160
HORIZON T12160
desktop computer

Powered by the latest generation of Intel® Core™ processors, our business-class desktops and micro PCs can be customized to your exact requirements. We understand that you require budget-friendly, energy-efficient systems that provide superior reliability and speed-up your everyday business computing tasks.

Form Factor	Micro ATX
Motherboard	Asus® PRIME H610M-E D4
Chipset	Intel® H610
Processor	12th Generation Intel® Core™, socket LGA1700
Memory	Up to 64 GB SDRAM DDR4 288-pin, dual or single channel, 3200 MHz (2 slots)
Storage	1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x4 mode) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x2 mode) ; 4 SATA 6.0 Gb/s ports.
Expansion Slots	1 PCIe 4.0 x16 slot (mode x16), 1 PCIe 3.0 x1 slot
Video	Intel® FDI video interface, supports up to 3 displays simultaneously (VGA, DisplayPort 1.4 and HDMI 2.1 outputs) ; 1 PCI Express 4.0 x16 slot for discrete add-on controller
Audio	8 channel High Definition audio controller with Realtek® audio codec Built-in speaker for the recreation of Windows generated sound events
Network Controller	1 Realtek® 1 Gigabit Ethernet controller with Wake-on-Lan PXE 2.0 feature
I/O Ports	2 USB 3.2 gen. 1 type A ports (rear) ; 2 USB 3.1 gen. 1 ports (front panel)(2 type A for D12160)(1 type C and 1 type A for T12160) ; 6 USB 2.0 ports (2 rear and 4 internal header for D12160)(2 rear, 2 front panel and 2 internal header for T12160) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x4 mode) ; 1 M.2 slot, M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x2 mode) ; 4 SATA 6.0 Gb/s ports ; VGA, DisplayPort 1.4 and HDMI 2.1 ports ; RJ45 port ; audio ports (3 + 2) ; 2 PS/2 ports ; 1 serial port header ; 1 S/PDIF out header ; TPM header ; 1 RGB header
Casing	Desktop type (μATX) for the Horizon D12160 ; Tower type (μATX or ATX) for the Horizon T12160
Dimensions and weight	D12160 : 338 mm W x 102 mm H x 356 mm D (12.27 L) - 4.83 kg T12160 : 180 mm W x 390 mm D x 360 mm H (25.27 L) - 5.53 kg
Power Supply	Compliant with Wake-on-Lan feature
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Security loop to prevent casing opening and to secure PC Password protected CMOS utility program BIOS default boot device option protected by password BIOS can not be flashed without password BIOS level disabling capability : serial and USB ports
Management Tools	DMI LANDesk Client Manager Browser Updatable BIOS from either floppy drive, hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions DMI 2.0 compliant hardware management system Intel® Wired for Management Technology (WfM) Intel® Rapid Storage Technology ; Intel® Smart Response Technology
Environmental Features	APM 2.0 and ACPI 5.0 compliant Power Management Power consumption depending on system load (EIST) Overheat protection and shut down CPU fan speed adjusted depending on CPU temperature
Warranty	One year, parts and labour, return to CIARA. All CIARA customers may elect to purchase an extended three year warranty additional to the standard one year warranty. If you are interested in purchasing a warranty extension, please advise your CIARA representative when requesting a quotation.

D12160 UPC Code

62863491212167

T12160 UPC Code

62863491212150

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CIARA

Operating System

Operating System

Windows 10 Pro

Operating System Architecture

64-bit

Upgradable Windows OS

Yes

Processor

Processor Manufacturer

Intel®

Processor Type

Core™ i7

Processor Model

i7-1260P

Processor Speed

2.10 GHz

Processor Core

Dodeca-core (12 Core™)

Processor Generation

12th Gen

Display & Graphics

Graphics Controller Manufacturer

Intel®

Graphics Controller Model

Iris Xe Graphics

Graphics Memory Accessibility

Shared

Screen Size

14"

Display Screen Type

LCD

Backlight Technology

LED

Touchscreen

Yes

Multi-touch Screen

Yes

Screen Resolution

1920 x 1200

Standard Refresh Rate

60 Hz

Memory

Total Installed System Memory

16 GB

System Memory Technology

DDR4 SDRAM

Memory Card Reader

Yes

Memory Card Supported

microSD

Storage

Total Solid State Drive Capacity

512 GB

Solid State Drive Interface

PCI Express

Optical Drive Type

No

Network & Communication

Wireless LAN Standard

IEEE 802.11 a/b/g/n/ac/ax

Wireless LAN Model

Wireless Wi-Fi 6E AX211

Ethernet Technology

Gigabit Ethernet

Bluetooth Standard

Bluetooth 5.2

Built-in Devices

Microphone

Yes

Finger Print Reader

Yes

Number of Speakers

4

Sound Mode

Stereo

Interfaces/Ports

HDMI

Yes

Number of HDMI Outputs

1

Number of USB 3.2 Gen 1 Type-A Ports

2

Total Number of USB Ports

4

USB Type-C

Yes

USB Type-C Detail

USB Type-C port supporting: USB4 40Gbps, DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W

Network (RJ-45)

Yes

Input Devices

Pointing Device Type

TouchPad

Pointing Device Type

Stylus

Keyboard

Yes

Keyboard Backlight

Yes

TouchPad Features

Multi-touch Gesture

Battery Information

Number of Cells

4-cell

Battery Chemistry

Lithium Ion (Li-Ion)

Power Description

Maximum Power Supply Wattage

65 W

Physical Characteristics

Height

0.70"

Width

12.6"

Depth

9.1"

Weight (Approximate)

3.48 lb

Product Color

Slate Blue

Miscellaneous

Package Contents

- TravelMate Spin P4 TMP414RN-52-711D 2 in 1 Notebook

- Lithium Ion Battery

- AC Adapter

- Active Stylus

Security Features

- SmartCard reader slot

- Discrete Trusted Platform Module (TPM) solution

- Kensington Lock Slot

- **Acer ProShield Plus security manager includes:**

- Data Protection: File & Folder Encryption and Decryption, Personal Security Drive

- Data Removal: File Shredding

- Security Alert: Invalid Access Alert, Security Report

- **BIOS Passwords:**

- User

- Supervisor

desktop computer

HORIZON T12750

HORIZON D12750

::CIARA

HORIZON D12750
HORIZON T12750
desktop computer

Powered by the latest generation of Intel® Core™ processors, our business-class desktops and micro PCs can be customized to your exact requirements. We understand that you require budget-friendly, energy-efficient systems that provide superior reliability and speed-up your everyday business computing tasks.

Form Factor	Micro ATX
Motherboard	Asus® Pro Q670M-C/CSM
Chipset	Intel® Q670
Processor	12th Generation Intel® Core™, socket LGA1700
Memory	Up to 128 GB SDRAM DDR5 288-pin, dual or single channel, 4800 MHz (4 slots)
Storage	2 M.2 slots type 2242/2260/2280 storage devices support (PCIe 4.0 x4 mode), 6 SATA 6.0 Gb/s connectors* ; support for RAID 0, 1, 5 (NVMe) and RAID 0, 1, 10 and 5 (SATA) Intel® Optane® memory ready
Expansion Slots	1 PCIe 4.0/3.0 x16 slot and 2 PCIe 3.0 x1 slots. 2 M.2 slots type 2242/2260/2280 storage devices support (PCIe 4.0 x4 mode), 1 M.2 slot with E key, for Wi-Fi devices (supports CNVi & PCIe interface)
Video	Intel® FDI video interface, supports up to 3 displays simultaneously (HDMI 2.1 and 2 DisplayPort 1.4 outputs) 1 PCI Express 4.0/3.0 x16 slot for discrete add-on controller
Audio	8 channel High Definition audio controller with audio codec Built-in speaker for the recreation of Windows generated sound events
Network Controller	1 Intel® i219LM 1 Gigabit Ethernet controller with Wake-on-Lan PXE 2.0 feature
I/O Ports	4 USB 3.2 gen. 2 type A (rear) ; 1 USB 3.2 gen. 1 type C port (internal header for D12750)(front panel for T12750) ; 2 USB 3.1 gen. 1 ports type A (2 front for D12750)(1 front and 1 internal header T12750) ; 6 USB 2.0 ports (2 rear and 4 internal header for D12750) (2 rear, 2 front and 2 internal header for T12750) ; HDMI 2.1, 2 DisplayPort 1.4 ports ; RJ45 port ; audio ports (3 + 2) ; 1 parallel port header ; 2 serial port headers ; 2 PS/2 ports.
Casing	Desktop type (µATX) for the Horizon D12750 ; Tower type (µATX or ATX) for the Horizon T12750
Dimensions and weight	D12750 : 338 mm W x 102 mm H x 356 mm D (12.27 L) - 4.83 kg T12750 : 180 mm W x 390 mm D x 360 mm H (25.27 L) - 5.72 kg
Power Supply	Compliant with Wake-on-Lan feature
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Casing intrusion switch installed and functional Management utilities for Embedded UEFI/BIOS tamper resistance integrated Security loop to prevent casing opening and to secure PC Embedded Trusted Platform Module 2.0, Computrace protection utility present in BIOS ; NIST SP 800-147 compliant, secure UEFI Management utilities for Pre-boot and multi-factor authentication set up integrated
Management Tools	DMI LANDesk Client Manager Browser ; Updatable BIOS from either hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions ; DMI 2.0 compliant hardware management system ; Intel® Wired for Management Technology (WfM)
Environmental Features	APM 2.0 and ACPI 5.0 compliant Power Management Power consumption depending on system load (EIST) Overheat protection and shut down CPU fan speed adjusted depending on CPU temperature
Warranty	One year, parts and labour, return to CIARA. All CIARA customers may elect to purchase an extended three year warranty additional to the standard one year warranty. If you are interested in purchasing a warranty extension, please advise your CIARA representative when requesting a quotation.

D12750 UPC Code
62863491212761

T12750 UPC Code
62863491212754

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intel partner Titanium

:::CIARA

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Louis-Vincent Morin Account Manager North America
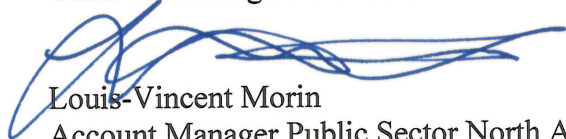
(Address) 1868 E Broadway Rd, Tempe,AZ 85282

(Phone Number) / (Fax Number) P: 418-654-8643 F: 418-683-2148

(Email address) lvmorin@ciaratech.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Ciara Technologies USA inc.

Louis-Vincent Morin
Account Manager Public Sector North America   P: 418-654-8643
lvmorin@ciaratech.com   F: 418-683-2148

Revised 11/1/2022

Company Profile

Ciara Technology Inc. is a manufacturer of a broad range of personal computers, servers, storage systems and high performance computer clusters. Incorporated in 1984, Ciara will celebrate this year its 38rd year in business in the information technology field. Originally, the company was established in Ville St-Laurent in modest facilities where only a few hundred systems were produced annually. Even in its youth, Ciara always incorporated a high level of quality in every one of its systems. This was an extremely appreciated characteristic by our customers and is a key to Ciara's successful growth over the years.

Initially focusing in educational circles, the penetration of Ciara continued into the government domain and thereafter in the corporate marketplace. In 1994, Ciara Technology Inc. obtained ISO 9001 certification and continues to maintain its accreditation. Shortly there after, Ciara obtained its ISO14001 certification and continues to maintain its accreditation. Ciara products are CSA, FCC, EPA certified and built under Ciara's ISO 9001 standards and regulations. These standards enable us to establish and maintain our high standards in our assembly, integration and quality control operations as well as the various other services offered by the company.

The growth of Ciara enabled us in June 1998 to inaugurate an all-new, ultra-modern facility having a capacity of more than 75000 systems per year. With sales continuing to grow, Ciara once again moved into a new factory in January 2000 increasing its output capability to more than 200,000 systems per year. Finally, considering its ever-increasing volume of sales, Ciara moved again to an even larger facility in February 2003, an ultra modern plant of 576 000 square feet. We are now the largest Canadian manufacturer of microcomputers with an output capability of more than 500,000 systems per year.

We are particularly proud of our growth and advancements over the years. In fact, enterprise profits have provided 100% of our financing for progress and growth.

Ciara Technology Inc. remains a private company having succeeded in setting up a flourishing company in a highly competitive marketplace. Ciara Technology Inc. plans to continue its growth through self-financing for its future activities.

Staying in the forefront of technology, the Ciara product line is based on INTEL technology and the most current industry standards. In order to maintain a high level of quality, Ciara maintains partnerships with several major OEM manufacturers of components. Our principal partner is obviously INTEL.

Ciara is the leading Canadian manufacturer producing the most systems based on INTEL technology. We are proud to be recognized by INTEL as "***INTEL Premier Provider***". Our computer systems and servers utilize exclusively INTEL chipset motherboards and INTEL processors. In addition to our tight INTEL association, our partnerships for other system components include casing manufacturers such as In-Win and Chenbro. For graphics, we use Gigabyte, PNY and Asus GPUs. For optical drives, we use LG and Asus. Seagate, Samsung and Western Digital fulfill our SSD requirements. Samsung, LG and Philips are our monitor partners. INTEL provides us with most of our network interface cards. Ciara is proud to have developed quality mice and keyboards.

A team of research and development professionals assures the quality, reliability and performance to which our customers are accustomed for today's systems as well as new products provided in the future. Our specialists proceed to evaluate the various technologies INTEL introduces into the marketplace on a regular basis. We make sure that Microsoft can certify all the systems. We verify the compatibility of new INTEL products with the products of our principal partners, even though INTEL may have already carried out these checks. In this way, we are assured that our systems will successfully pass all the tests that they could be subjected to.

Administratively, Ciara's size allows us to preserve a simple and effective decision-making structure. It is this management model that enables us to efficiently address and promptly escalate a problem to the decisional level apt to solve it quickly. The representatives of Ciara can thus concentrate on their customers and better satisfy their needs and requirements.