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.

# wvOASIS

Welcome, Lu Anne Cottrill                    Procurement | Budgeting | Accounts Receivable | Accounts Payable

**Solicitation Response(SR)**  **Dept:** 0705  **ID:** ESR07301800000000399  **Ver.:** 1  **Function:** New  **Phase:** Final  ▼   **Modified by** batch , 07/31/2018

## Header 📎 1

**General Information** | Contact | Default Values | Discount | Document Information

| | |
|---|---|
| **Procurement Folder:** 462505 | **SO Doc Code:** CRFQ |
| **Procurement Type:** Central Contract - Fixed Amt | **SO Dept:** 0705 |
| **Vendor ID:** 000000180526 ⬆ | **SO Doc ID:** LOT1900000001 |
| **Legal Name:** SUN MANAGEMENT INC | **Published Date:** 7/16/18 |
| **Alias/DBA:** | **Close Date:** 7/31/18 |
| **Total Bid:** $128,440.00 | **Close Time:** 13:30 |
| **Response Date:** 07/30/2018 📅 | **Status:** Closed |
| **Response Time:** 11:27 | **Solicitation Description:** RFQ - FIREWALLS |

Apply Default Values to Commodity Lines    View Procurement Folder

**Proc Folder :** 462505

**Solicitation Description :** RFQ - FIREWALLS

**Proc Type :** Central Contract - Fixed Amt

| Date issued | Solicitation Closes | Solicitation Response | Version |
|---|---|---|---|
| | 2018-07-31<br>13:30:00 | SR    0705  ESR07301800000000399 | 1 |

| VENDOR |
|---|
| 000000180526 |
| SUN MANAGEMENT INC |

**Solicitation Number:**  CRFQ  0705    LOT1900000001

**Total Bid :**  $128,440.00      **Response Date:**  2018-07-30    **Response Time:**  11:27:51

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**

Brittany E Ingraham

(304) 558-2157
brittany.e.ingraham@wv.gov

**Signature on File**                        **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 | Cisco Firewalls, or Equal, and Extended Service Agreement | 4.00000 | EA | $20,125.000000 | $80,500.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 43222501 | | | |

**Extended Description :** Cisco Firepower 2130 NGFW Appliance, SKU:8x0660 / Item number: 4322501, or Equal, per the specifications.

Extended Service Agreement (Year 1) - Cisco SMART Net Total Care, SKU: 8x0696 / Item number: 81111812, or Equal, per the specifications.

**Comments:** Quoting PaloAlto PAN-PA-3250

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|--------------|-----|------------|------------|------------------------------|
| 2 | OPTIONAL RENEWAL YEAR 2 | 4.00000 | EA | $3,995.000000 | $15,980.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 43222501 | | | |

**Extended Description :** Year 2: Optional Renewal of the extended service agreement for 4 Firewalls

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|--------------|-----|------------|------------|------------------------------|
| 3 | OPTIONAL RENEWAL YEAR 3 | 4.00000 | EA | $3,995.000000 | $15,980.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 43222501 | | | |

**Extended Description :** Year 3: Optional Renewal of the extended service agreement for 4 Firewalls

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|--------------|-----|------------|------------|------------------------------|
| 4 | OPTIONAL RENEWAL YEAR 4 | 4.00000 | EA | $3,995.000000 | $15,980.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 43222501 | | | |

**Extended Description :** Year 4: Optional Renewal of the extended service agreement for 4 Firewalls

# PA-3200 SERIES

Palo Alto Networks® PA-3200 Series of next-generation firewalls comprises the PA-3260, PA-3250 and PA-3220, all of which are targeted at high-speed internet gateway deployments. The PA-3200 Series secures all traffic, including encrypted traffic, using dedicated processing and memory for networking, security, threat prevention and management.

## Key Security Features

### Classifies all applications, on all ports, all the time

- Identifies the application, regardless of port, encryption (SSL or SSH) or evasive technique employed.

- Uses the application, not the port, as the basis for all of your safe enablement policy decisions: allow, deny, schedule, inspect and apply traffic-shaping.

- Categorizes unidentified applications for policy control, threat forensics or App-ID™ technology development.

### Enforces security policies for any user, at any location

- Deploys consistent policies to local and remote users running on Windows®, Mac® OS X®, macOS®, Linux, Android®, or Apple® iOS platforms.

- Enables agentless integration with Microsoft® Active Directory® and Terminal Services, LDAP, Novell® eDirectory™ and Citrix®.

- Easily integrates your firewall policies with 802.1X wireless, proxies, NAC solutions and any other source of user identity information.

### Prevents known and unknown threats

- Blocks a range of known threats, including exploits, malware and spyware, across all ports, regardless of common threat-evasion tactics employed.

- Limits the unauthorized transfer of files and sensitive data, and safely enables non-work-related web surfing.

- Identifies unknown malware, analyzes it based on hundreds of malicious behaviors, and then automatically creates and delivers protection.

PA-3260

PA-3250

PA-3220
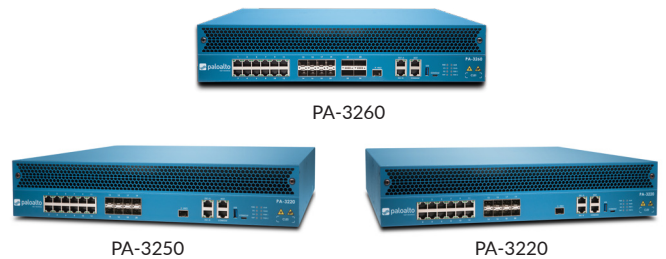
The controlling element of the PA-3200 Series is PAN-OS® security operating system, which natively classifies all traffic, inclusive of applications, threats and content, and then ties that traffic to the user, regardless of location or device type. The application, content and user – in other words, the elements that run your business – are then used as the basis of your security policies, resulting in an improved security posture and a reduction in incident response time.

| Performance and Capacities | PA-3260 | PA-3250 | PA-3220 |
|---|---|---|---|
| Firewall throughput[1] | 8.8 Gbps | 6.3 Gbps | 5 Gbps |
| Threat Prevention throughput[2] | 4.7 Gbps | 3 Gbps | 2.2 Gbps |
| IPsec VPN throughput | 4.8 Gbps | 3.2 Gbps | 2.5 Gbps |
| Max sessions | 3,000,000 | 2,000,000 | 1,000,000 |
| New sessions per second[3] | 135,000 | 94,000 | 58,000 |
| Virtual systems (base/max[4]) | 1/6 | 1/6 | 1/6 |

1. Firewall throughput measured with App-ID and logging enabled utilizing 64KB HTTP transactions
2. Threat Prevention throughput measured with App-ID, IPS, antivirus, anti-spyware, WildFire and logging enabled utilizing 64KB HTTP transactions
3. New sessions per second measured with application-override utilizing 1 byte HTTP transactions
4. Adding virtual systems over base quantity requires a separately purchased license

## Networking Features

| Interface Modes |
|---|
| L2, L3, tap, virtual wire (transparent mode) |

| Routing |
|---|
| OSPFv2/v3 with graceful restart, BGP with graceful restart, RIP, static routing |
| Policy-based forwarding |
| Point-to-point protocol over Ethernet (PPPoE) |
| Multicast: PIM-SM, PIM-SSM, IGMP v1, v2 and v3 |
| Bidirectional Forwarding Detection (BFD) |

| IPv6 |
|---|
| L2, L3,tap, virtual Wire (transparent mode) |
| Features: App-ID™, User-ID™, Content-ID™, WildFire® and SSL decryption |
| SLAAC |

| IPsec VPN |
|---|
| Key exchange: manual key, IKEv1 and IKEv2 (pre-shared key, certificate-based authentication) |
| Encryption: 3DES, AES (128-bit, 192-bit, 256-bit) |
| Authentication: MD5, SHA-1, SHA-256, SHA-384, SHA-512 |

| VLANs |
|---|
| 802.1q VLAN tags per device/per interface: 4,094/4,094 |
| Aggregate interfaces (802.3ad), LACP |

| Network Address Translation |
|---|
| NAT modes (IPv4): static IP, dynamic IP, dynamic IP and port (port address translation) |
| NAT64, NPTv6 |
| Additional NAT features: dynamic IP reservation, tunable dynamic IP and port oversubscription |

| High Availability |
|---|
| Modes: active/active, active/passive |
| Failure detection: path monitoring, interface monitoring |

To view additional information about the features and associated capacities of the PA-3200 Series, please visit www.paloaltonetworks.com/products.

## Hardware Specifications

| I/O |
|---|
| PA-3260 – (12) 10/100/1000, (8) 1G/10G SFP/SFP+, (4) 40G QSFP+ |
| PA-3250 – (12) 10/100/1000, (8) 1G/10G SFP/SFP+ |
| PA-3220 – (12) 10/100/1000, (4) 1G SFP, (4) 1G/10G SFP/SFP+ |

| Management I/O |
|---|
| (1) 10/100/1000 out-of-band management port, (2) 10/100/1000 high availability, (1) 10G SFP+ high availability, (1) RJ-45 console port, (1) Micro USB |

| Storage Capacity |
|---|
| 240GB SSD |

| Power Supply (Avg/Max Power Consumption) |
|---|
| Redundant 650-watt AC or DC (180/240) |

| Max BTU/hr |
|---|
| 819 |

| Input Voltage (Input Frequency) |
|---|
| AC power supply: 100-240VAC (50-60 Hz) |
| DC power supply: -48 to -60VDC |

| Max Current Consumption |
|---|
| AC: 2.3A@100VAC, 1.0A@240VAC |
| DC: -48V@4.7A, -60V@3.8A |

| Rack Mountable (Dimensions) |
|---|
| 2U, 19" standard rack (3.5" H x 20.53" D x 17.34" W) |

| Weight (Stand-Alone Device/As Shipped) |
|---|
| 29 lbs/41.5 lbs |

| Safety |
|---|
| TUV CB report and TUV NRTL |

| EMI |
|---|
| FCC Class A, CE Class A, VCCI Class A |

| Certifications |
|---|
| See https://www.paloaltonetworks.com/company/certifications.html |

| Environment |
|---|
| Operating temperature: 32° to 122° F, 0° to 50° C |
| Non-operating temperature: -4° to 158° F, -20° to 70° C |
| Humidity tolerance: 10% to 90% |
| Maximum altitude: 10,000ft/3,048m |
| Airflow: front-to-back |