# **OPOsense**<sup>®</sup>

# **OPNsense® Rack Security Appliance**

**DEC4200 Series** 

DEC4200 SERIES

FIREWALL

**Threat Protection** 

sense

# SIMPLY THE BEST.

000ge

Storage

Rack mountable appliance, the full package at an affordable price. Exceptional performance for datacenters & enterprises.



60Gbps Throughput 5 Mega Packets per Second



~7.5Gbps **Inline Intrusion Prevention** 



Fast Filtering Up to 50.000 Connections per Second



1:A:A A:A:

6 DDR4 RAM DUA

POWER SUPPLY

**1TB SSD Offering Sufficient Space for** Logging & Reporting

**Captive Portal with Voucher** 

**Guard Web Access** 

support

Filtering (SSL) Proxy

n



System wide two-factor authentication. **Compatible with Google** Authenticator.



Hardware Assisted Encryption 2.5Gbps IPsec (AES256GCM16)



**Dual Power Supply** Failover & Load balancing

Securing Networks™



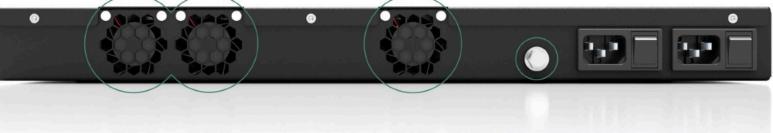
# BEC4200 Series - Datacenter & Enterprise Edition SETTING THE NEW STANDARD



LOW POWER & LOW NOISE FANS ONLY 12.5dB(A) EACH OPTIMIZED FAN OUTLET WITH HONEYCOMB PATTERN TOTAL SYSTEM NOISE LESS THAN 42dB(A)



SEPERATE GROUND/EARTH SCREW ELIMINATE FLOATING GROUND & OPTIMIZE ESD RESILIANCE





DUAL POWER SUPPLY WITH AUTOMATIC FAILOVER TYPICAL EFFICIENCY 93% MTBF OVER 2000K HOURS / OVER 200 YEARS (Telcordia SR-332)

DUAL POWER SUPPLY	SUFFICIENT STORAGE & RAM				
Integrated <u>non-interrupted</u> automatic failover High quality 93% Efficient Power Supplies with MTBF of 2472K hrs Telcordia TR/SR-332(Bellcore)	One terabyte of integrated storage for logging and advanced features				
(that is over 200 years!).	Sufficient memory for most demanding features and plugins like Zenarmor (for 2000+ connected devices)				
POWERFUL DUAL DIE 16 CORE SOC*	NETWORK CONNECTIVITY				
The fastest EPYC 3000 cpu available for the most demanding Network loads.	A maximum of twelve network ports. Connect the way you want: four SFP28 ports (25Gbps) DEC4280 only, four SFP+ ports (10Gbps)				
*Maximum specification / DEC4280.	and four RJ45 Ethernet ports (2.5 Gbps)				

## LOW NOISE COOLING

The DEC4200 Series comes with a new cooling design that utilises low noise fans with specially designed heatsinks and air-ducts. Not only does this lower the produced noise to a level below 42dB(A), it also minimises overall power consumption.

Securing Networks™

# **CERTIFIED HARDWARE** FROM THE DEVELOPERS

### CERTIFIED HARDWARE FROM THE DEVELOPERS - MADE IN THE NETHERLANDS

## **DEC4200 Series**

Enterprise & Datacenter Edition





## Bundled with a free year OPNsense® Business Edition A 5-STAR EXPERIENCE

- $\star$  Commercial firmware repository
- ★ Official OPNsense Open Virtualisation Image
- ★ Integrated GeoIP database
- ★ Free E-Book ( English & German )
- ★ Free professional plugins:
  - Web Application Firewall
  - Proxy Access
  - Extended Blocklist
  - OPNcentral<sup>™</sup>

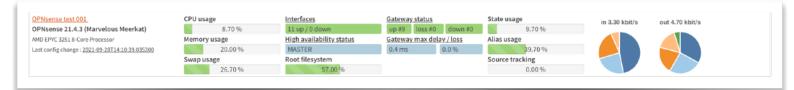
# **OPNcentral**<sup>™</sup>

Central Management, the OPNsense® way

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Management: Host configu	ration							
Houte Consent settings Backup								
House commence secondly concretely								
		Q. Search		😑 test, 🗢 test2, 🗣 test3 🔹			7*	⊞-
	Description	Url	Backupsi	Size				
08 0	OPNsense-test-central001	https://OPNsense-test-central0	13	2.57 MB	2023-03-06T20:55:14+01:00		1	08
0 27 0 0	OPNsense-test-central002	https://OPNsense-test-central0	13	1.31 MB	2023-03-06T20:55:29+01:00		1	0.8
08 •	OPNsense-test-central003	https://OPNsense-test-central0	13	1.16 MB	2023-03-06T20:55:40+01:00			0.0
0 er 🔸	OPNsense-test-central004	https://OPNsense-test-central0	13	1.15 MB	2023-03-06720:55:49+01:00		. /	0.8
	OPNsense-test-central005	https://OPNsense-test-central0	13	1.16 MB	2023-03-06T20:55:57+01:00		1	0.8
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OPNsense (c) 2014-2023 Deciso 8.V.								
	Hots Covers Exclus	Enabled Groups Description     Provide State Control 000     P     Oritourse test control 000     Oritourse test control 000	Hots     Consol statings     Backup          Enabled       Groups       Orscription       UI <ul> <li>OPHomes-test central001</li> <li>https://OPHomes-test central0</li> <li>OPHomes-test central002</li> <li>https://OPHomes-test central0</li> <li>OPHomes-test central003</li> <li>https://OPHomes-test central0</li> <li>Image: Image: Ima</li></ul>	Management: Host configuration	Management: Host configuration	Management: Host configuration           Hots         General settings         Backup           It making         It sets ( bits)         It sets ( bits)         It sets ( bits)           It making         OPHosense text central00         https://OPHosense text central00         13         13.14.98         223.49.0472.055.244.01.00           It is is is it	Management: Host configuration          Hers       General settings       Backup         Itemabled       Groups       Description       VH       Backups       Size       Modified       General settings         Itemabled       Groups       Description       VH       Backups       Size       Modified       General settings         Itemabled       Groups       Description       VH       Backups       Size       Modified       General settings         Itemabled       OPNomese-test-central002       https://OPNomese-test-central002       13       13.14.98       2023-00.04720.55.54*01.00       Immese//OPNomese-test-central002       Ntps://OPNomese-test-central002       13       1.15.98       2023-00.04720.55.54*01.00       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese//OPNomese-test-central002       Immese-test-central002       Immese-test-central0	Management: Host configuration

## INCLUDES

- Provisioning
- Multi tenancy using host groups
- Centralised Backups
- Centralised Firmware Upgrades
- Monitoring
  - Machine state
  - Firmware version
  - Resources



# **PSense**

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Services Alias (click to viza/hdit)												
LAW rules are collusted on a first-match basis (), the action of the first nie to match a packet will be executed). This means that if you use block rules, you will have to pay attention to the nie order. Everything that     Fourier												
۵												
Help												

OPNsense® Secure Your Network With Ease™

OPNsense is Deciso's fast growing open source firewall and security platform released under an Open Source Initiative approved license. Its rich feature set is combined with the benefits of open and verifiable sources.

All features can be used from within the easy to use graphical interface, equipped with a build-in search feature for quick navigation. Protecting your network has never been this easy with features such as; the integrated intrusion prevention system and two-factor authentication for safely connecting mobile users.



#### Businesses Protect your

Protect your business network and secure your connections. From the stateful inspection firewall to the inline intrusion detection & prevention system everything is included for free.Use the traffic shaper to enhance network performance.



#### Schools

Limit and share available bandwidth evenly amongst students and utilise the category based web filtering to filter unwanted traffic such as adult content and malicious websites. It is easy to setup as no additional plugins nor packages are required.



#### Hotels

OPNsense offers a captive portal to control guest internet access for a limited duration. Vouchers can easily be created via the graphical user interface.



#### On the road

Even on the road OPNsense is a great asset to your business as it offers OpenVPN and IPSec VPN solution with road warrior support and two-factor authentication. The easy client exporter make configuring your OpenVPN SSL client setup a breeze.



#### **Remote Offices / Branches & SOHO**

The integrated site to site VPN (IPsec or SSL VPN) can be used to create a secure network connection to and from your remote offices. Enjoy the easy configuration and online searchable documentation with simple how-to type of articles to get you started, quickly. Pluggable support is offered for ZeroTier, Tinc as well as Wireguard.

# **PPSense** • GUI

Stateful firewall

· Destination

OS (OSFP)

a per rule base

Policy Based Routing

Packet Normalisation

Policy organization

· IP addresses

Interface Groups

rules

Rule Category

Port ranges

router mode

Alias Support

Limit simultaneous connections on

Log matching traffic on a per rule

Option to disable filter for pure

Domain names (FQDN)

· Easy access rule sets

Granular control state table

Adjustable state table size

· Limit simultaneous client

· Limit new connections per

Define state timeoutDefine state type

On a per rule bases

connectionLimit states per host

second

State types

Modulate

Synproxy

Optimisation options

KeepSloppy

None

Normal

· High latency

Conservative

External Servers

Integrated Servers

Local User Manager

· FreeRadius (Plugin)

· Local User Manager

FreeRadius (Plugin & External)

Vouchers / Tickets

· Agressive

Authentication

LDAP

Radius

Authorization

Accounting

• Proxy

• VPN

• User Interface

• Vouchers / Tickets

Supports TOTP

2-Factor Authentication

Google Authenticator

Supported services:
 Captive Portal

· Create security zones with equal

Filter by

• Port

bases

· Source

Protocol

## SSH / Console

- Certificates
- Certificate Authority
  - Create or Import CA's
  - Create or Import Certificates

SOFTWARE

FEATURE OVERVIEW

Integrated rulesets

SSL Blacklists

· Feodo Tracker

SSL Fingerprinting

configurable cron

Typical Applications

Guest Network

Multiple Zones

Voucher Manager

Authenticators

**Captive Portal** 

Auto rule update using

(For updated information on current release see docs.opnsense.org)

· Emerging Threats ETOpen

Bring Your Own Device (BYOD)

· Hotel & Camping Wifi Access

Template Management

All available authenticators

None (Splash Screen Only)

Multiple Voucher Databases

· Export vouchers to CSV

Timeouts & Welcome Back

MAC and IP whitelisting

· Live top IP bandwidth usage

Bandwidth Management

Use Traffic Shaper

Real Time Reporting

· Active Sessions

Virtual Private Networks

Portal bypass

· Time left

Rest API

Site to Site

Site to Site

· Site to Site

exporter

Tinc (Plugin)

· Road Warrior

· Full mesh routing

· VPN, SDN & SD-WAN

Automatic hardware failover

Configuration synchronisation

SSL Domain only (easy filtering)

Synchronized state table

ZeroTier (Plugin)

**High Availability** 

**Caching Proxy** 

Multi interface

Blacklists

**Reverse Proxy** 

**Backup & Restore** 

History & Diff support

Transparent ModeSupport SSL Bump

Access Control Lists

Traffic Management

Category Based Web-filter

• Auto sync for remote blacklists

External engine support (ICAP)

Virus scanning (via plugins)

ClamAV (Plugin / C-ICAP)

Online Identity Protection

ICAP (supports virus scan engine)

HAProxy - Load balancer (Plugin)

Tor - Anonymity online (Plugin)

· Easy client configuration

OpenVPN

Road Warrior

Road Warrior

WireGuard (Plugin)

IPsec

- Let's Encrypt (Plugin)
- Automated (Trusted) CA
- 802.1Q VLAN support
- ⊚ max 4096 VLAN's

#### Link Aggregation & Failover

- Failover
- Load Balance
- Round Robin
- Gisco Ether Channel (FEC)
   General Channel (FEC)
   Genera
- 802.3ad LACP
- Other Interface types
- Bridged interfaces
- Generic Routing Encapsulation
- Network Address Translation
- Port forwarding
- 1:1 of ip's & subnets
   Outbound NAT
- Outbound NAT
   NAT Reflection
- Traffic Shaping
- Limit bandwidth
- Share bandwidth
- Prioritize traffic
- Rule based matching
- Protocol
- Source
- Destination
- Port
  - Direction
  - IGMP Proxy
  - For multicast routing
  - **Universal Plug & Play**
  - Fully supported
  - Dynamic DNS
  - Selectable form a list
  - Custom
  - RFC 2136 support
  - **DNS Forwarder**
  - Host Overrides
  - Domain Overrides
  - DNS Server
  - Host Overrides
  - A records
  - MX records
  - Access Lists
  - DNS Filter
  - Supports OpenDNS
  - **DHCP Server**
  - IPv4 & IPv6
  - Relay Support
  - BOOTP options

  - Multi WAN
  - Load balancing
  - Failover
  - Aliases
  - Load Balancer
  - Balance incoming traffic over multiple servers
  - Network Time Server
  - Hardware devices
     GPS
  - GF5

- Pulse Per Second
   Intrusion Detection & Prevention
   Indiae Drevention
- Inline Prevention

Deciso Sales B.V. • +31 187 744 020 • sales@deciso.com • www.deciso.com

- File Backup
  - Cloud Backup
  - Git Backup
  - SNMP
  - Monitor & Traps
     Diagnostics
  - Filter reload status
  - Firewall Info (pfInfo)
  - Top Users (pfTop)
  - Firewall Tables
    - Aliases
    - Bogons
  - Ourrent Open Sockets
  - Show All States
  - State Reset
  - State Summary
  - Wake on LAN
  - ARP Table
  - DNS Lookup
  - NDP Table
  - e Ping
  - Packet Capture
  - Test Port
  - Trace route

### Monitoring

- Zabbix Agent (Plugin)
- Monit (Plugin)

#### Proactive System Monitoring

#### Enhanced Reporting

· CVS Exporter

System Health

· Exportable

Netflow Exporter

• Easy Upgrade

upgrades

· OpenSSL

LibreSSL

Audit Feature

Plugin Support

**Online Documentation** 

Free & Searchable

ACL support

**REST API** 

Local for 'Insight'

Support Virtual Installs

SSL Flavour selectable

Selectable Package Mirror

Lock Package (prevents upgrade)

Check installed packages for

known security vulnerabilities

Securing Networks™

Reinstall Single Package

Traffic Graph

Firmware

- Network Flow Analyzer 'Insight'
- Fully Integrated

· Round Robin Data

Selection & Zoom

Live Traffic Monitoring
 Network Monitoring

Version 5 & version 9

VMware tools (Plugin)

· Xen Guest Utilities (Plugin)

Reboot warning for base

- · Detailed Aggregation
- Graphical RepresentationClickable and Searchable

# **FULL SPECIFICATIONS** AND MODEL COMPARISON





DEC4280

Edition         Edition         Edition           Breward Spacellications         Edition         Edition           SFP+ Ports [10G/Dbg] / SFP28 Ports [25Gbpa]         4.0         4.44           GBE R48 Ports [100/1000/2500Mbps ]         4         4           UBS 3.0 Ports         1         1           Console Port         1         1           Internal Storage         1TB M.2. Solid State Flash         TTB M.2. Solid State Flash           Memory         666 BDP44         646B DDP4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Virtual Interdiace (802.1q VLANS)1         4093         4093           System Performance         Frewail Protects Protecond         7670Kpps           Frewail Protects Protecond         7670Kpps         50000Kpps           Frewail Port Lever Second         50000         63000000           New Connections Per Second         50000         50000           Frewail Policies (Recommended Maximun)1         10000 s         10000 s           Frewail Policies (Recommended Maximun)1         10000 s         1000 s           Protec VPT Throughput (AES256GCM16)         2.5Ghps         2.5Ghps           Protec VPT Throughput Packet Per Second         2.1Kpps         2.6Ghps			
Liense         Open Source + 1 year free Business Edition         Open Source - 1 year free Business Edition           Hardvare Specifications         Edition         Edition           SPR- Ports [10Gbpa] / SP28 Ports [GGbps]         4.0         4/4           Open Source + 1 year free Business Edition         4/4         4           USB 3.0 Ports         1         1         1           Console Port         1         1         1           Internal Storage         1TB M.2. Solid State Flash         1TB M.2. Solid State Flash         1TB M.2. Solid State Flash           Console Port         1         4083         4093         4093           System Partomance         Frewall Trologyput         21. Gbps         60Gpbs         60Gpbs           Frewall Port to Port Throughput         21. Gbps         60Gpbs         60Gpbs           Frewall Port to Port Throughput         9Gbps         21Gpbs         21Gpbs           Concurrent Sessions         6000000         50000         50000           Frewall Port to Port Throughput         25Gbps         25Gbps         25Gbps           Frewall Port to Second (Assignmun)         100us         100us         100us           Frewall Port to Second (Assignmun)         25Gbps         25Gbps         25Gbps <t< td=""><td>Software</td><td></td><td></td></t<>	Software		
Edition         Edition           SPP. Ports [100/bps] / SPP28 Ports [25Gbps]         40         4/4           GbE RJ4S Ports [100/100/2500/bbps]         4         4           GbE RJ4S Ports [100/100/2500/bbps]         4         4           GbB RJ4S Ports [100/100/2500/bbps]         4         4           Console Port         1         1           Internal Storage         1TB M.2. Solid State Flash         64GB DDF4           Memory         64GB DDF4         64GB DDF4           CPU Coree         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Vitral Interfaces (802.1q VLANS)1         409S         60Gobts           Firewall Protomance         50000Kpps         50000Kpps           Firewall Port for Throughput         21.Gbps         60Gobts           Firewall Port for Throughput         96bps         21.Gbpts           Concurrent Sessions         63000000         500000           New Connections Per Second         500000         500000           Firewall Throughput (AES256CM16)         2.5Gbps         2.5Gbps           Pisee VPN Throughput (AES256CM16)         2.5Gbps         2.5Gbps           Pisee VPN Packet Per Second (AES256CM16)         2.20Kpps         7.5Gbps           Threat Protection Throughpu	Preinstalled software	OPNsense®	OPNsense®
SFP+ Ports [10Gbps] / SFP28 Ports [2SGbps]         4.0         4/4           GbE RAJS Ports [100/100/2500Mbps]         4         4           Console Port         1         1           Console Port         1         1           Internal Storage         1TB M.2. Solid State Flash         TTB M.2. Solid State Flash           Memory         646B DDR4         64BD DDR4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Virtual Interfaces (802.1q VLANS)1         4093         4093           System Portormance         600Gpbs         Frewall PortoRes         600Gpbs           Firewall Ports Per Second         770K0pps         5000000         50000           Firewall Ports Per Second         500000         50000         50000           Firewall Ports Per Second (SE2SSGCM16)         20Kpps         21Gpbs         21Gpbs           Firewall Ports Per Second (SE2SSGCM16)         20Kpps         20Kpps         21Gpbs           Firewall Ports Per Second (SE2SSGCM16)         20Kpps         20Kpps         21Gpbs           Pose CVP Nack Per Second (SE2SSGCM16)         20Kpps         20Kpps         21Gpbs         21Gpbs         21Gpbs         21Gpbs         21Gpbs         21Gpbs         21Gpbs         21Gpbs	License		
GbE RJ45 Ports [100/1000/2500Mbps]         4         4           UBB 3.0 Ports         1         1           Console Port         1         1           Internal Storage         1TB M.2. Solid State Flash         1TB M.2. Solid State Flash           Memory         64GB DDR4         64GB DDR4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Virtual Interfaces (802.1q VLANS)1         4093         4093           System Performance         Frewail Throughput         21.1Gbps         5000Kpps           Firewail Port Longhput         21.1Gbps         5000Kpps         5000Kpps           Firewail Port Longhput         9Gbps         21Gbps         21Gbps           Concurrent Sessions         63000000         63000000         6300000           New Connections Per Second         50000         50000         Frewail Policies (Recommended Maximum)1         1000us         1000us           Firewail Policies (Recommended Maximum)1         1000us         1000us         1000us         1000us           Firewail Policies (Recommended Maximum)1         20Kpps         20Kpps         20Kpps           IPsec VPN Troughput Acst 2556GCM16)         20Kpps         20Kpps         20Kpps           IPsec VPN Packet Per Second	Hardware Specifications		
USB 3.0 Ports         1         1           Consolo Port         1         1           Internal Storage         11B M.2. Solid State Flash         11B M.2. Solid State Flash           Memory         64GB DDR4         64GB DDR4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Virtual Interfaces (802.1q VLANS)1         4093         4093           System Performance             Firewall Pottose         600Gpbs            Firewall Pottosets Per Second         1760Kpps         5000Kpps           Firewall Potto Port Throughput         96bps         21Gpbs           Concurrent Sessions         63000000         63000000           New Connections Per Second         50000         50000           Firewall Policies (Recommended Maximum)1         1000us         1000us           Firewall Able (Ast256GCM16)         2.5Gbps         2.2Gkpps           Pase VPN Throughput (ASE256GCM16)         2.5Gbps         2.2Gkpps           Threat Protection Throughput Pasket Per Second         2.91Kpps         4.26Kpps           Threat Protection Throughput Pasket Per Second         2.91Kpps         4.26Kpps           Threat Protection Throughput Aset (ASE256GCM16)         2.90Kpps         4.75KS	SFP+ Ports [10Gbps] / SFP28 Ports [25Gbps]	4/0	4/4
Console Port         1         1           Internal Storage         11B M.2. Solid State Flash         11B M.2. Solid State Flash           Memory         64 GB DDR4         64 GB DDR4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Virtual Interfaces (80.2.1q VLANS)1         4093         4093           System Performance             Firewall Throughput         21.1Gbps         60/Gpbs           Firewall Packets Per Second         1760 (Kpps         500000 (Kpps           Firewall Port De Port Throughput         9/Gpbs         21Gpbs           Concurrent Sessions         63000000         63000000           New Connections Per Second         50000         50000           Firewall Policies (Recommended Maximum)1         10000         10000           Pisee VPN Throughput (ES2S6GCM16)         2.25Gbps         2.5Gbps           Pisee VPN Packet Per Second         291 (Kpps         625 (Kpps           Threat Protection Throughput Hacket Per Second         291 (Kpps         625 (Kpps           Threat Protection Throughput Hacket Per Second         291 (Kpps         428 ((U) x 482 6 ((F) x 302 (274 excl. mounthandle)           Pise Avaitability with State Synchronisation         Requires Two         Requires Two <td>GbE RJ45 Ports [ 100/1000/2500Mbps ]</td> <td>4</td> <td>4</td>	GbE RJ45 Ports [ 100/1000/2500Mbps ]	4	4
Internal Storage         1TB M.2. Solid State Flash         1TB M.2. Solid State Flash           Memory         64GB DDR4         64GB DDR4           CPU Cores         8 (max frequency 3.1Ghz)         16 (max frequency 3.1Ghz)           Vitual Interfaces (802.1q VLANS)1         4093         4093           System Performance         E           Firewall Packets Per Second         1780Kpps         600qbps           Firewall Port to Port Throughput         96bps         21Gpbs           Concurrent Sessions         63000000         63000000           New Connections Per Second         50000 (Kpps           Firewall Instence (warrage)         100us         100us           Firewall Instence (warrage)         100us         100us           Firewall Potices (Recommended Maximum)1         10000         10000           Piese VPN Troughput (AES2560CM16)         2.5Gpps         2.5Gpps           IPsec VPN Packet Per Second (AES2560CM16)         2.20Kpps         200Kpps           Threat Protection Throughput AES2560CM16)         2.5Gpps         2.20Kpps           Obmension         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         48.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           High Availability with State Synchronisation         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19	USB 3.0 Ports	1	1
Memory         64GB DDP4         64GB DDP4           CPU Cores         8 (max frequency 3.16hz)         16 (max frequency 3.16hz)           Virtual Interfaces (802.1q VLANS)1         4093         4093           System Performance         6003pbs         6003pbs           Firewall Throughput         21.1Gbps         6003pbs           Firewall Post Exper Second         1760Kpps         50000Kpps           Firewall Post Exper Second         500000         500000           New Connections Per Second         500000         500000           Firewall Latency (average)         100us         100us           Firewall Latency (average)         2.5Gbps         2.5Gbps           Firewall Noughput (AES256GCM16)         2.25Kpps         20Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         191Kpps         43.8 (1U) x 482.6 (19') x 302 (274 excl. mount/handle)         1.73 x 19 x 11.9 (10.8 excl. panel)           Dimension         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Prome Teactor         19' Rackmountable         19' Rackmountable <td>Console Port</td> <td>1</td> <td>1</td>	Console Port	1	1
CPU Cores8 (max frequency 3.1Ghz)16 (max frequency 3.1Ghz)Virtual Interfaces (802.1q VLANS)140934093System Performance600Gpbs600GpbsFirewall Throughput21.1Gbps600GpbsFirewall Port Backets Per Second1760Kpps50000KppsFirewall Port Throughput600000063000000New Connections Per Second5000050000Firewall Policies (Recommended Maximum)11000010000Piece VPN Throughput (AES256GCM16)2.20Kpps2.25OpsPiece VPN Throughput (AES256GCM16)2.20Kpps2.25OpsPiece VPN Throughput (AES256GCM16)2.20Kpps625KppsThreat Protection Throughput Packet Per Second2.21Kpps625KppsThreat Protection Throughput Packet Per Second2.21Kpps625KppsThreat Protection Throughput Packet Per Second2.20Kpps625KppsThreat Protection Throughput Packet Per Second2.20Kpps625KppsThreat Protection Throughput Packet Per Second2.20Kpps625KppsThreat Protection Throughput-4.5 Sqpbs-7.5 CbpsHeight X Width X Depth (mm)43.8 (1U) x48.2 (19" x 302 (274 excl. mounthandle)1.33 x 19 x 11.9 (10.8 excl. panel)Pointerion19" Rackmountable19" RackmountablePower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzPower Requirements100-240VAC, 50-60Hz60WPower Requirements100-240VAC, 50-60Hz60WPower Requirements100-240VAC, 50-60Hz60WPower Requirements100-	Internal Storage	1TB M.2. Solid State Flash	1TB M.2. Solid State Flash
Virtual Interfaces (802.1q VLANS)140934093System PerformanceFirewall Rackets Per Second1760Kpps5000KppsFirewall Rackets Per Second1760Kpps21GpbsConcurrent Sessions6300000063000000New Connections Per Second5000050000Firewall Rackets Rer Second100us100usFirewall Rackets Rer Second5000050000New Connections Per Second5000050000Piece VPN Packet Rer Second (AES256GCM16)2.5Gbps2.5GbpsPiece VPN Packet Per Second (AES256GCM16)220Kpps220KppsThreat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput-3.5Gpbs-7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensions1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight K Width x Length (inches)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)2.6A2.6APower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximu Current (single PSU)55W80WHead Displation187.6 BTUhr27.8 BTUhrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHeight X Width x Length (indice)187.6 BTUhr27.8 BTUhrOperating T	Memory	64GB DDR4	64GB DDR4
System Performance       21.1Gbps       60Gpbs         Firewall Throughput       21.1Gbps       60Gpbs         Firewall Packets Per Second       1760Kpps       5000Kpps         Firewall Packets Per Second       96bps       21Gpbs         Concurrent Sessions       63000000       63000000         New Connections Per Second       50000       50000         Firewall Policies (Recommended Maximum)1       100us       100us         Firewall Policies (Recommended Maximum)1       10000       10000         Pisee VPN Throughput (AES256GCM16)       2.5Gpps       2.5Gpps         Pisee VPN Packet Per Second (ES256GCM16)       220Kpps       220Kpps         Threat Protection Throughput Packet Per Second       291Kpps       625Kpps         Threat Protection Throughput Packet Per Second       291Kpps       625Kpps         Threat Protection Throughput      7.5Gbps       201Kpps         Pight x With x Length (inches)       1.73 x 19 x 11.9 (10.8 excl. panel)       1.73 x 19 x 11.9 (10.8 excl. panel)         Point Factor       10°-240VAC, 50-60Hz       10°-240VAC, 50-60Hz       10°-240VAC, 50-60Hz         Form Factor       10°-240VAC, 50-60Hz       10°-240VAC, 50-60Hz       2.6A         Power Requirements       10°-240VAC, 50-60Hz       2.6A       2.6A <td>CPU Cores</td> <td>8 (max frequency 3.1Ghz)</td> <td>16 (max frequency 3.1Ghz)</td>	CPU Cores	8 (max frequency 3.1Ghz)	16 (max frequency 3.1Ghz)
Firewall Throughput         21.1Gbps         60Gpbs           Firewall Packets Per Second         1760Kpps         5000Kpps           Firewall Port to Port Throughput         9Gbps         21Gpbs           Concurrent Sessions         63000000         6300000           New Connections Per Second         50000         50000           Firewall Entry (average)         100us         010us           Firewall Policies (Recommended Maximum)1         10000         10000           Pisee VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           Pisee VPN Packet Per Second (AES256GCM16)         2.20Kpps         2.20Kpps           Threat Protection Throughput Packet Per Second (AES256GCM16)         2.20Kpps         2.20Kpps           Threat Protection Throughput Packet Per Second         2.8Gpbs         .7.5Gbps           Threat Protection Throughput Packet Per Second         2.8(10) x 482.6 (19') x 302 (274 excl. mount/handle)         43.8 (10) x 482.6 (19') x 302 (274 excl. mount/handle)           Pight x Width x Depth (mm)         43.8 (10) x 482.6 (19') x 302 (274 excl. mount/handle)         1.73 x 19 x 11.9 (10.8 excl. panel)           Height x Width x Depth (mm)         43.8 (10) x 482.6 (19') x 302 (274 excl. mount/handle)         1.73 x 19 x 11.9 (10.8 excl. panel)           Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)	Virtual Interfaces (802.1q VLANS)1	4093	4093
Firewall Packets Per Second         1760Kpps         5000Kpps           Firewall Port to Port Throughput         9Gbps         21Gpbs           Concurrent Sessions         63000000         63000000           New Connections Per Second         50000         50000           Firewall Latency (average)         100us         100us           Firewall Policies (Recommended Maximum)1         10000         10000           Pisec VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           Pisec VPN Packet Per Second (AES256GCM16)         2.20Kpps         2.20Kpps           Threat Protection Throughput (AES256GCM16)         2.20Kpps         7.5Gbps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput         ~3.5Gpbs         ~7.5Gbps           High Availability with State Synchronisation         Requires Two         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height x Width x Depth (mm)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         1.73 x 19 x 11.9 (10.8 excl. panel)           Power Requirements         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Environment	System Performance		
Firewall Port to Port Throughput9Gbps21GbpConcurrent Sessions6300000050000New Connections Per Second5000050000Firewall Latency (average)100us100usFirewall Policies (Recommended Maximum)11000010000IPsec VPN Throughput (AES256GCM16)2.5Gbps2.5GbpsPisec VPN Throughput (AES256GCM16)2.0Kxpps2.20KppsThreat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput~3.5Gpbs-7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensions1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironment2.6A2.6APower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)55W80WHeat Dissipation1.87.6 BTU/hr2.73 BTU/hrOperating Temperature0 to 445°C0 to 445°CStorage Temperature-2.0 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory Compliance-2.0 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	Firewall Throughput	21.1Gbps	60Gpbs
Concurrent Sessions         63000000         63000000           New Connections Per Second         50000         50000           Firewall Policies (Recommended Maximum)1         100us         100us           Firewall Policies (Recommended Maximum)1         10000         10000           IPsec VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           IPsec VPN Packet Per Second (AES256GCM16)         2.20Kpps         220Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput         ~3.5Gpbs         ~7.5Gbps           High Availability with State Synchronisation         Requires Two         Requires Two           Dimensions         -         -         7.5Gbps           Height X Width x Depth (mm)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg         2.6A           Power Requirements         100-240VAC, 50-60Hz         2.6A         2.6A           Power Gosumption (Typical - single PSU)         2.6A	Firewall Packets Per Second	1760Kpps	5000Kpps
New Connections Per Second         50000           Firewall Latency (average)         100us         100us           Firewall Policies (Recommended Maximum)1         100us         100us           Firewall Policies (Recommended Maximum)1         100us         100us           IPsec VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           IPsec VPN Packet Per Second (AES256GCM16)         20Kpps         20Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput         ~3.5Gpbs         ~7.5Gbps           High Availability with State Synchronisation         Requires Two         Requires Two           Dimensions         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height X With x Length (Inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg         2.6A           Power Requirements	Firewall Port to Port Throughput	9Gbps	21Gpbs
Firewall Latency (average)         100us         100us           Firewall Policies (Recommended Maximum)1         10000         10000           IPsec VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           IPsec VPN Packet Per Second (AES256GCM16)         220Kpps         220Kpps           Threat Protection Throughput Packet Per Second         291Kpps         220Kpps           Threat Protection Throughput Packet Per Second         291Kpps         220Kpps           High Availability with State Synchronisation         Requires Two         Requires Two           Dimensions         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg           Environment         2.6A         2.6A           Power Requirements         100-240VAC, 50-60Hz         0.0-240VAC, 50-60Hz           Maximum Current (single PSU)         2.6A         2.6A           Power Consumption (Typical - single PSU)         55W         80W           Head Dissipation         107 x 45°C         0 to x 45°C      <	Concurrent Sessions	6300000	6300000
Firewall Policies (Recommended Maximum)1         10000         10000           IPsec VPN Throughput (AES256GCM16)         2.5Gbps         2.5Gbps           IPsec VPN Packet Per Second (AES256GCM16)         220Kpps         220Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput Packet Per Second         291Kpps         625Kpps           Threat Protection Throughput         ~3.5Gpbs         ~7.5Gbps           High Availability with State Synchronisation         Requires Two         Requires Two           Dimensions         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg           Environment         2.6A         2.6A           Power Requirements         100-240VAC, 50-60Hz         100-240VAC, 50-60Hz           Maximum Current (single PSU)         2.6A         2.6A           Power Consumption (Typical - single PSU)         55W         80W           Heat Dissipation         187.6 BU/hr         273 BTU/hr <td>New Connections Per Second</td> <td>50000</td> <td>50000</td>	New Connections Per Second	50000	50000
Psec VPN Throughput (AES256GCM16)2.5Gbps2.5GbpsIPsec VPN Packet Per Second (AES256GCM16)220Kpps220KppsThreat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput~3.5Gpbs~7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensions43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Height x Width x Length (inches)1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 Kg2.6APower Requirements100-240VAC, 50-60Hz2.6A2.6APower Consumption (Typical - single PSU)55W80W80WHeat Dissipation187.6 BTU/hr273 BTU/hr0 to +45°COperating Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory Compliance10-90% non-condensing10-90% non-condensing	Firewall Latency (average)	100us	100us
Psec VPN Packet Per Second (AES256GCM16)220Kpps220KppsThreat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput~3.5Gpbs~7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensions43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Height x Width x Depth (mm)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Form Factor1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironment2.6APower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	Firewall Policies (Recommended Maximum)1	10000	10000
Threat Protection Throughput Packet Per Second291Kpps625KppsThreat Protection Throughput~3.5Gpbs~7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensionsHeight x Width x Depth (mm)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Height x Width x Length (inches)1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironmentPower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	IPsec VPN Throughput (AES256GCM16)	2.5Gbps	2.5Gbps
Threat Protection Throughput~3.5Gbbs~7.5GbpsHigh Availability with State SynchronisationRequires TwoRequires TwoDimensionsHeight x Width x Depth (mm)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Height x Width x Length (inches)1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironmentPower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	IPsec VPN Packet Per Second (AES256GCM16)	220Kpps	220Kpps
High Availability with State SynchronisationRequires TwoRequires TwoDimensionsHeight x Width x Depth (mm)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)Height x Width x Length (inches)1.73 x 19 x 11.9 (10.8 excl. panel)1.73 x 19 x 11.9 (10.8 excl. panel)Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironment100-240VAC, 50-60Hz100-240VAC, 50-60HzPower Requirements100-240VAC, 50-60Hz2.6APower Consumption (Typical - single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory Compliance10-90% non-condensing10-90% non-condensing	Threat Protection Throughput Packet Per Second	291Kpps	625Kpps
Dimensions         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg           Environment         100-240VAC, 50-60Hz         100-240VAC, 50-60Hz           Power Requirements         100-240VAC, 50-60Hz         2.6A           Power Consumption (Typical - single PSU)         55W         80W           Heat Dissipation         187.6 BTU/hr         273 BTU/hr           Operating Temperature         0 to +45°C         0 to +45°C           Storage Temperature         -20 to +70°C         -20 to +70°C           Heunidity         10-90% non-condensing         10-90% non-condensing	Threat Protection Throughput	~3.5Gpbs	~7.5Gbps
Height x Width x Depth (mm)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)         43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)           Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         1.9" Rackmountable         1.9" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg           Environment         2.6A         2.6A           Power Requirements         100-240VAC, 50-60Hz         100-240VAC, 50-60Hz           Maximum Current (single PSU)         55W         80W           Power Consumption (Typical - single PSU)         187.6 BTU/hr         273 BTU/hr           Operating Temperature         0 to +45°C         0 to +45°C           Storage Temperature         -20 to +70°C         -20 to +70°C           Humidity         10-90% non-condensing         10-90% non-condensing	High Availability with State Synchronisation	Requires Two	Requires Two
Height x Width x Length (inches)         1.73 x 19 x 11.9 (10.8 excl. panel)         1.73 x 19 x 11.9 (10.8 excl. panel)           Form Factor         19" Rackmountable         19" Rackmountable           Weight (appliance only)         4.7Kg         4.85 Kg           Environment         2.6A         2.6A           Power Requirements         100-240VAC, 50-60Hz         100-240VAC, 50-60Hz           Maximum Current (single PSU)         2.6A         2.6A           Power Consumption (Typical - single PSU)         55W         80W           Heat Dissipation         187.6 BTU/hr         273 BTU/hr           Operating Temperature         0 to +45°C         0 to +45°C           Storage Temperature         -20 to +70°C         -20 to +70°C           Humidity         10-90% non-condensing         10-90% non-condensing	Dimensions		
Form Factor19" Rackmountable19" RackmountableWeight (appliance only)4.7Kg4.85 KgEnvironmentPower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	Height x Width x Depth (mm)	43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)	43.8 (1U) x 482.6 (19") x 302 (274 excl. mount/handle)
Weight (appliance only)4.7Kg4.85 KgEnvironmentPower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensing	Height x Width x Length (inches)	1.73 x 19 x 11.9 (10.8 excl. panel)	1.73 x 19 x 11.9 (10.8 excl. panel)
EnvironmentPower Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory ComplianceInterpretInterpret	Form Factor	19" Rackmountable	19" Rackmountable
Power Requirements100-240VAC, 50-60Hz100-240VAC, 50-60HzMaximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory Compliance1010	Weight (appliance only)	4.7Kg	4.85 Kg
Maximum Current (single PSU)2.6A2.6APower Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory ComplianceImage: ComplianceImage: Compliance	Environment		
Power Consumption (Typical - single PSU)55W80WHeat Dissipation187.6 BTU/hr273 BTU/hrOperating Temperature0 to +45°C0 to +45°CStorage Temperature-20 to +70°C-20 to +70°CHumidity10-90% non-condensing10-90% non-condensingRegulatory Compliance	Power Requirements	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Heat Dissipation         187.6 BTU/hr         273 BTU/hr           Operating Temperature         0 to +45°C         0 to +45°C           Storage Temperature         -20 to +70°C         -20 to +70°C           Humidity         10-90% non-condensing         10-90% non-condensing           Regulatory Compliance         Example Condensity         Example Condensity	Maximum Current (single PSU)	2.6A	2.6A
Operating Temperature     0 to +45°C     0 to +45°C       Storage Temperature     -20 to +70°C     -20 to +70°C       Humidity     10-90% non-condensing     10-90% non-condensing       Regulatory Compliance	Power Consumption (Typical - single PSU)	55W	80W
Storage Temperature     -20 to +70°C     -20 to +70°C       Humidity     10-90% non-condensing     10-90% non-condensing       Regulatory Compliance     Image: Compliance     Image: Compliance	Heat Dissipation	187.6 BTU/hr	273 BTU/hr
Humidity         10-90% non-condensing         10-90% non-condensing           Regulatory Compliance         10-90% non-condensing         10-90% non-condensing	Operating Temperature	0 to +45°C	0 to +45°C
Regulatory Compliance	Storage Temperature	-20 to +70°C	-20 to +70°C
	Humidity	10-90% non-condensing	10-90% non-condensing
FCC part 15 Class A, CE, Rohs FCC part 15 Class A, CE, Rohs	Regulatory Compliance		
		FCC part 15 Class A, CE, Rohs	FCC part 15 Class A, CE, Rohs

<sup>1</sup> The user interface is designed for normal business usage, large rulesets, high number of users or interface assignments may be less practical.

All measurements are based upon TCP traffic unless stated otherwise. Total Firewall Throughput is calculated based on maximum PPS and standard 1500 byte packets. Maximum PPS is measured using 500 byte packets. IPS performance is measured using ET Open and standard 1500 byte package size (using Suricata version 6.0.12 / Netmap version 14) SSL VPN is measured using AES256GCM16+SHA512. Concurrent sessions are based upon memory available, where one state consumes 1KB of memory and 1GB of memory is reserved for system tasks. Latency is measured as an average over 60 seconds.

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