

Series 80 - An advanced, high-end, custom made unified threat management appliance built to meet the demands of large IT infrastructure networks and national telecoms



Australia's first embedded security solution and the worlds most powerful UTM



Through Crystal Eye's powerful threat intelligence system, the platform processes over 14-million indicators of compromise (IOC) per day using real-time visibility & analytics to enable automated actionable intelligence.

The series 80 is an all-in-one security solution that can be deployed to create an affordable multi-layered defence that will deliver a complete Governance Risk & Compliance (GRC) backend system.

Complete UTM Platform

-  Next Generation Firewall (NGFW)
-  Active Threat Intelligence
-  Multi-layered defence that will deliver
-  Built-In Compliance Feature Set
-  Automated Vulnerability Edge Scanning
-  Risk Assessment Reports

Full Network Control

-  Network Security Monitoring
-  Advanced Deep-Packet Inspection & Decryption
-  Instant SOC & Embedded SIEM Solution
-  On-Demand PCAP Forensic Analysis & Logging
-  Gateway application white listing
-  Extended Log Processing, Retention & Policy Management Controls

SPECIFICATIONS

Processing System

- High-end 2U Security Hardware Appliance with Crystal Eye Security Solution OS
- 2 x Intel Xeon E5-2697v4 CPU 2.3Ghz 36 cores, 76 threads total
- C612 Chipset, Socket 2011-3, 2 CPU sockets
- New 8th Generation CPU, Up to 50 percent faster than 7th Gen

Memory Capacity

Ram: 128GB DDR4

Networking capacity

4 x Intel XL710-QDA2 Dual Port 40Gb SPF+
4 x Intel X710-T4 10Gb LAN
2 x Dedicated GB LAN Management ports

Interfaces

4x USB 3.1
4x USB 2.0

Stateful Inspection Firewall Features

- Multiple Security Zones
- Location-aware and Device-aware Identity-based Access
- Control Policy
- Security Policies – IPS, Web Filtering, Application Filtering, Anti-virus, Anti-spam and QoS
- Policy based Source and Destination NAT, Gateway Specific NAT Policy
- MAC & IP-MAC Filtering
- Spoof Prevention

Gateway Anti-Virus & Anti-Spyware Features

- SSL Mismatch Detection
- Cloaked URL Detection
- Virus, Worm, Trojan Detection and Removal
- Spyware, Malware, Phishing Protection
- Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, IM, SMB, VPN Tunnels
- Customised Individual User Scanning
- Scan and deliver by file size
- Block by file types

Gateway Anti-Spam Features

- Inbound and Outbound Scanning
- Real-time Blacklist (RBL), MIME header check
- Filter based on message header, size, sender, recipient
- Subject line tagging
- IP address Black list/White list
- IP reputation-based Spam filtering

Web Filtering Features

- More than 130 categories
- Auto category updates
- Exception list
- IP or hostname based
- Controls based on URL, Keyword and File type
- Protocols supported: HTTP, HTTPS
- Block malware, Phishing, Pharming URLs
- Block java Applets, Cookies, Active X, Google Cache pages
- Data leakage control by blocking HTTP and HTTPS upload
- Banned phrase list, YouTube for Schools
- Custom Denied Message per Web Category

Virtual Private Network Features

- TCP & UDP Tunnelling
- Authentication – Active Directory, LDAP, RADIUS,
- Multi-layered Client Authentication - Certificate, Username/Password
- Lightweight SSL VPN Tunnelling Client
- TCP based Application Access – HTTP, HTTPS, RDP, TELNET, SSH

AI and Automated Actionable Intelligence

- AI rule matching to detect anomalies in network traffic
- Automatic defence rules from over 14 million IOC's processed daily
- Machine learning smart detection of network based SSH attacks

End Point Application Whitelisting

- Easy Device application mapping
- Ability to whitelist known good device Applications from the gateway
- Protect against Zero-day attacks
- Deal with encrypted malicious traffic with one click

High Availability Features

- Active-Active
- Active-Passive with state synchronisation

Intrusion Prevention System Features

- 5 managed rule sets, comprising of 30k+ rules updated daily from the latest threats
- HTTP/TLS/DNS Logging
- Actions – Drop, Block, Reject, Pass
- Auto IPS Updates from Red Piranha threat intelligence sharing platform
- Protocol Anomaly Protection
- SCADA Aware
- VoIP and SIP protocol reporting
- Easy tuning in dashboards to reduce false positives

Application Filtering Features

- Layer 7 (Application) & Layer 8 (User) Control and Visibility
- Inbuilt Application Category Database
- Visibility and Controls for HTTPS based micro-apps like Facebook chat, YouTube video upload

SD WAN Features

- TCP & UDP Tunnelling
- Authentication – Active Directory, LDAP, RADIUS, Local
- Multi-layered Client Authentication - Certificate, Username/Password
- Lightweight SSL VPN Tunnelling Client
- TCP based Application Access – HTTP, HTTPS, RDP, TELNET, SSH

Bandwidth Management Features

- QoS Policies
- Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Data Transfer Report for multiple Gateways

Networking Features

- Automated Fallover/Failback
- Interface types: Alias, Multisport Bridge, LAG (port trunking), VLAN, WWAN, TAP
- Multiple DHCP Servers support
- Supports HTTP proxy, Parent proxy with FQDN
- Dynamic Routing: RIP v1&v2, OSPF, BGP
- IPv6 Support: Dual Stack Architecture: Support for IPv4 and IPv6 Protocols
- IPv6 Route: Static and Source

Administration & System Management Features

- Web-based configuration wizard
- Role-based Access control
- Firmware Upgrades via Web UI
- Web 2.0 compliant UI (HTTPS)

User Authentication Features

- Internal Database
- Microsoft Active directory connector
- Internal active directory server

Hard Drives and Back Up Storage Capacity

- 1x 240GB SSD SATA 2.5inch Fast System Drive Included

Dimensions

H x W x D	19 inch x 45cm (18 inch) deep x 2U
Weight	22Kg

General Details

1 x M.2 slot 32Gb/sec or SATA
VGA Display Port
4 x USB 3.1, 4 x USB 2.0 (rear), 2 x USB 2.0 (front)
10 x SATA 3 6Gb/s, RAID 0 1 5 10
Internal power supply
Certifications: FCC, CE, RoHS

Other add-on options

Wireless Module for WIFI Application

Power

Input Voltage	110 VAC/220-240 VAC
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