



Australia's first Extended Detection & Response (XDR) solution and the World's most powerful XDR platform

Our Series 80 XDR security appliance is ultra high performance protection capable of supporting multiple internet connections of up to 40Gb/s each.

Crystal Eye 80 delivers powerful, flexible protection for large telecommunications or high performance data centre operations. Combined with our range of integrated services, these extreme performance devices are an easy to deploy, easy to manage, effective security solution.

Through Crystal Eye's powerful threat intelligence system, the platform processes over 19-million Indicators of Compromise (IoC) per day using real-time visibility & analytics to enable automated actionable intelligence.

Complete XDR Platform

-  Integrated XDR capabilities
-  Automated Actionable Intelligence
-  Multi-layered security delivering defence in depth
-  Built-In Compliance Feature Set
-  Risk Assessment Reports
-  Vulnerability Scanning

Full Network Control

-  Network Security Monitoring
-  Advanced deep-packet inspection and decryption
-  Instant SOC & embedded SIEM solution
-  On-demand PCAP forensic analysis and logging
-  Gateway application whitelisting
-  Extended log processing, retention & policy management controls

Firewall throughput:	74Gbps	The maximum capacity between two ports of the same bandwidth with no packet loss.
IDPS throughput:	17Gbps	The maximum volume of data that can be processed by the Intrusion Detection & Prevention modules with no packet loss.
True Security Throughput (TST):	12Gbps	The lab tested peak load with all security features turned on and processing a typical enterprise network profile: 76% http(s) web browsing, 12% real-time applications (VoIP, Video conferencing) and 12% other traffic types.

Processing System

Dual Intel XEON Platinum 8462y+
32 cores, 64 threads, 60MB cache per processor.
Total 64 Cores, 128 Threads @ 2.8GHz/4.2GHz max.

Memory Capacity

512GB ECC DDR5

Networking capacity

- Onboard : Dual 10GbE UTP
- Options (up to 6 of the following in any combination)
- Intel XL710QDA2 (Dual 40GbE QSFP)
- Intel XXV710 (Dual 25GbE SFP28)
- Intel X710-DA4 (Quad 10GbE SFP+)
- Intel X710-T4 (Quad 10GbE RJ45)
- Intel i350-T4 (Quad 1GbE RJ45)

Interfaces

5 x USB 3.2 (Type A)

Stateful Inspection Firewall Features

- Visual Representation of Zones, Rules
- Multiple Security Zones
- Location-aware and Device-aware Identity-based Access
- Control Policy
- Security Policies – IPS, Passive Encryption Control
- 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

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

SD WAN Support

- WireGuard with SSO support to integrate with Microsoft Entra ID
- SDWAN status monitoring
- IPsec VPN for site to site communications
- 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
- WireGuard SSL VPN

AI and Automated Actionable Intelligence

- Crystal AI on device Support LLM
- AI rule matching to detect anomalies in network traffic
- Automatic defence rules from over 24 million IOC's processed daily
- Machine learning smart detection of network based SSH attacks

End Point Application Whitelisting (CEASR)

- Push comprehensive policies from Crystal Eye appliance to registered endpoints
- 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

Advanced Compliance Features

- Entra ID integration, policy authoring and compliance enforcement
- Azure AD threat analysis
- Vulnerability Scanning
- DLP Alerting and Blocking

Intrusion Prevention System Features

- 6 managed rule sets, comprising of 72k+ rules updated daily from the latest threats
- HTTP/TLS/DNS Logging
- Actions – Alert, Drop, Reject, Pass
- Auto IPS Updates from Red Piranha threat intelligence sharing platform
- Protocol Anomaly Protection
- SCADA, IIOT and IoT 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, SSO (Entra ID), Azure
- Multi-layered Client Authentication - Certificate, Username/Password, MFA
- 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 Failover/Failback
- Interface types: Alias, Multiport 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

- Entra ID Single Sign On (WireGuard)
- Internal Database
- Microsoft Active directory connector
- Internal active directory server

Storage System/Optional Extended Storage (max)

Dual 1TB System Drive
Up to 4 x 2.5 inch hot swap SSD (max 32TB)

Dimensions

W x D x H	485mm(w) 505mm(d) 44 mm(h)
Weight	TBA

General Details

1 x VGA port, NVMe M.2 Main Storage GEN4 5TB/sec transfer, 6Gb/s SATA 3 extended storage subsystem
Voltage spike protection
802.3az (Energy Efficient Ethernet) support
Certifications: FCC, CE

Power

Input Voltage 110 VAC/220-240 VAC
800W 1+1 Redundant Power

AUTOMATED
PROTECTION

AUTOMATED
DETECTION

AUTOMATED
RESPONSE