



Field tested, failsafe and long life performance in extreme conditions. Using Cisco COTS architecture, Crystal Group offers a firewall that is less than 13" deep with an ASA IPS Throughput of 450 Mbps that does not require extra hardware. With an all aluminum chassis weighing in at 14 lbs., the RCS5516FW provides high capability in a small package.

Crystal Group Rugged Networking appliances bring plug-and-play functionality to demanding military, industrial, and commercial applications in air, land and sea. Top-of-the-line switches, firewalls, and routers are housed in rugged, lightweight, and compact enclosures, such as transit cases or 19-inch racks with strain-hardened aircraft aluminum, designed to survive extreme environments, extreme temperatures, and high shock and vibration.

Innovative solutions. Crystal Group's portfolio of rugged and industrial computing products are engineered and tested to withstand challenging environments, meet and exceed military and industrial standards, and provide the latest COTS technologies and benefits, such as cost, availability, upgradability, and flexibility.

Dependable services. When a computing application requires a custom solution, Crystal Group delivers – on time and on budget – with professional services, including product design and development, testing, systems engineering and integration, mechanical and electrical engineering, configuration management, and product lifecycle planning.

Dedicated support. Crystal Group's expert staff and global network provide fast and effective product support when and where it is needed, whether in-house or in the field. Count on Crystal Group for fast response times, quick turnarounds, 5+ year warranties, and quality service around the clock and around the globe.

FEATURES

- Light weight aluminum construction – 14 lbs.
- Easily mounted – Delrin glides, or fixed mount (front and rear)
- Rugged 1U, 19" rack or transit case EIA form factor, less than 13" deep
- 8-port 10/100/1000 GE copper integrated I/O
- Supports Cisco FirePOWER services
- 1.8 Gbps Max Firewall throughput

A clear advantage.

Specifications

Mechanical 1U
Height: 1.72" (4.37 cm)
Width: 17.5" (44.45 cm) [accepts Crystal Slides and Jonathan Rails] EIA-310 Rack Compliant
Depth: 13" (33.02 cm)
Weight: 14 lbs. (6.35 kg)

RCS5516FW
Stateful inspection throughput: 1.8 Gbps
ASA IPS Throughput: 450 Mbps (extra hardware module not required)
Concurrent sessions: 250,000
Connections per second: 20,000
3DES/AES VIN throughput: 250 Mbps
Site-to-site and IPsec IKEv1 client VPN user sessions: 300
VLANs: 100
High-availability support: A/A and A/S
Integrated I/O: 8-port 10/100/1000
Power supplies: Available in single or dual

Power Supply
Option 1: 90-246VAC, auto-switching
Option 2: 90-246VAC, 1+1 redundant, hot swappable
Option 3: 18-36VDC, 1+1 redundant, hot swappable

Mounting
Option 1: Mounted on Delrin glides
Option 2: Fixed mount, front and rear

Environmental Standards
MIL-STD-810, Operational Temperature, Method 501/502 Procedure I/II: -15°C to +50°C ¹
MIL-STD-810, Storage, Method 501, Procedure I/II: -25°C to +55°C ¹
MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit ¹
MIL-STD-810, Altitude, Method 500: 12,500ft operation, 40,000ft transport ¹
MIL-STD-810, Vibration, Method 514, Procedure I: 4.43 GRMS, 5-2000Hz, 60 min/axis ¹
MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11msec--functional shock; 40g, 11msec crash hazard shock ¹
MIL-S-901, Grade A ¹

Electromagnetic Compatibility Standards
Some standards may require an internal kit
AC, MIL-STD-461, RE102, CE102 ¹
DC, MIL-STD-461, RE102, CE102 ¹
RTCA DO-160 Section 21, Category M ¹

Export Compliance
ECCN: 5A002.a.1
Classification is dependent on configuration and is subject to change. Please contact your Program Manager to receive the classification for your product.

Cooling
Four high speed, high volume fans

1 - Designed to meet standard

Certification reports for select products are available on Crystalrugged.com. Crystal Group designs all products to meet or exceed the specifications listed herein. Due to the numerous models and component combinations, some configurations are still being tested. Please contact your Crystal Group Program Manager for test data on desired requirements.



For further information or pricing, please contact us:

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