

Cisco Secure Firewall 3140

Flagship 3100 Series NGFW Datasheet | Model: FPR3140-NGFW-K9

1RU HIGH-DENSITY 25G/40G

Product Overview: Cisco Secure Firewall 3140 (FPR3140-NGFW-K9) is the pinnacle model of the Cisco Secure Firewall 3100 Series, engineered for demanding enterprise data centers, campus backbones, and internet edges. Featuring hardware-accelerated IPsec and TLS crypto engines, Snort 3 inspection, up to 45.0 Gbps threat defense throughput, and 8-chassis clustering support, it delivers maximum scalability without sacrificing security posture.

KEY PERFORMANCE BENCHMARKS

FW + AVC + NGIPS THROUGHPUT

45.0 Gbps

Full threat prevention inspection (FTD Mode)

FIREWALL THROUGHPUT (RAW ASA)

49.0 Gbps

Stateful inspection performance (Multiprotocol 43 Gbps)

CONCURRENT SESSIONS

10,000,000

Supports 10 Million active concurrent connections

MAX IPSEC VPN TUNNELS

20,000 Peers

Maximum remote worker & site-to-site capacity

PERFORMANCE & ACCELERATION METRICS

Feature Metric	Specification Value
IPsec VPN Throughput (FTD 1024B w/ Fastpath)	22.4 Gbps (Up to 39.4 Gbps w/ Hardware VPN Offload)
TLS 1.3 / SSL Decryption Throughput	11.5 Gbps
New Connections Per Second (CPS - FTD)	300,000 connections/sec
New Connections Per Second (CPS - ASA)	1,100,000 connections/sec
Chassis Clustering Support	Clustering support for up to 8 Chassis units
High Availability (HA)	Active/Standby and Active/Active Stateful Redundancy

SUPPORTED OPERATING SYSTEMS

- Cisco Firepower Threat Defense (FTD):** Threat-focused unified software platform integrating stateful firewalling, Snort 3 NGIPS, Application Visibility & Control (AVC), AMP malware defense, and URL filtering.
- Cisco Adaptive Security Appliance (ASA):** Supports enterprise ASA software mode for high-speed stateful inspection, L3 routing, and security context segregation.

HARDWARE ARCHITECTURE & MODULAR EXPANSION

Hardware Element	Specification Details
Fixed Copper Interfaces	8 x 10M/100M/1GBASE-T RJ-45 Ports
Fixed Optical Interfaces	8 x 1/10/25 Gigabit SFP28 Optical Ports
Network Module (NM) Bays	1 Expansion Bay (Supports 8x 10G/25G or 4x 40G QSFP+ NMs)
Maximum Network Interfaces	Up to 24 total Ports (8x 1G, 8x 25G SFP28, 8x NM SFP28 / 4x 40G QSFP+)
Management & Console Ports	1 x 1/10G SFP Management, 1 x RJ-45 Serial Console, 1 x USB 3.0
Internal System Storage	1x 900 GB NVMe SSD + 1x Spare Storage Slot
Form Factor & Mounting	1RU Standard Rack-Mount (4-Post Rack Rail Kit Included)

PHYSICAL, POWER & ENVIRONMENTAL SPECS

Parameter	Specification
Dimensions (H x W x D)	1.75 x 17.0 x 20.0 in (4.4 x 43.3 x 50.8 cm) — 1RU
System Weight	11.34 kg (25.0 lbs) with Dual PSUs and Fan Modules
Power Supply Units	Dual 400W AC standard (1+1 Redundant Hot-Swappable AC/DC)
Power Efficiency & Voltage	100V to 240V AC (>89% efficiency at 50% load); <6A at 100V
Cooling Modules	2 x Hot-Swappable Fan Modules (2 fans each; Front-to-Rear Airflow)
Acoustic Noise Level	65 dBA @ 25°C (74 dBA max performance)
Operating Temperature	0°C to 40°C (32°F to 104°F) / NEBS Level 3 Compliant

MANAGEMENT & SMART LICENSING

MANAGEMENT PLATFORMS

- **FMC:** Firewall Management Center (On-Premises)
- **CDO:** Cisco Defense Orchestrator (Cloud Unified GUI)
- **CSM:** Cisco Security Manager (For ASA deployments)

SMART LICENSE SUBSCRIPTIONS

- **Threat (T):** Snort 3 NGIPS & Application Control
- **URL Filtering (URL):** Category & Web Intelligence
- **AMP for Networks:** Cisco Secure Malware Analytics