

Cisco Secure Firewall 3120

Enterprise High-Density NGFW Datasheet | Model: FPR3120-NGFW-K9

1RU HYBRID MULTI-GIG

Product Overview: Cisco Secure Firewall 3120 (3100 Series) is engineered for high-density enterprise environments, campus cores, and WAN edge deployments. Featuring hardware-accelerated crypto inspection, Short 3 NGIPS Engine, up to 21 Gbps threat prevention throughput, and multi-chassis clustering (up to 8 units), it delivers robust protection against complex threats at line rate.

KEY PERFORMANCE BENCHMARKS

FW + AVC + NGIPS THROUGHPUT

21.0 Gbps

Full threat prevention inspection (FTD Mode)

FIREWALL THROUGHPUT (RAW ASA)

22.0 Gbps

Stateful firewall inspection throughput

CONCURRENT SESSIONS

4,000,000

Supports 4 Million active concurrent sessions

MAX IPSEC VPN TUNNELS

7,000 Peers

High-scale site-to-site & remote access scale

PERFORMANCE & ACCELERATION METRICS

Feature Metric	Specification Value
IPsec VPN Throughput (FTD 1024B)	10.0 Gbps (Up to 13.5 Gbps w/ Hardware Offload)
TLS 1.3 / SSL Decryption Throughput	6.7 Gbps
New Connections Per Second (CPS - FTD)	170,000 connections/sec
New Connections Per Second (CPS - ASA)	350,000 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 image combining stateful firewalling, Short 3 NGIPS, Application Visibility & Control (AVC), AMP malware defense, and URL filtering.
- Cisco Adaptive Security Appliance (ASA):** Supports enterprise ASA software mode for high-throughput stateful firewalling and advanced L3 routing integrations.

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 Gigabit SFP+ Fiber Ports
Network Module (NM) Bays	1 Expansion Bay (Supports 8x 1/10G SFP+ Network Module)
Maximum Ethernet Interfaces	Up to 24 total Ethernet Ports (8x 1G, 8x 10G SFP+, 8x NM SFP+)
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	10.5 kg (23.0 lbs) with PSUs and Fan Modules
Power Supplies	Single 400W AC included (Supports Dual 1+1 Redundant 400W 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 Certified

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