

Cisco Firepower 2120

Enterprise NGFW Appliance Specification Sheet | Model: FPR2120-NGFW-K9

1RU ENTERPRISE
RACK

Product Overview: Cisco Firepower 2120 is a powerful enterprise-class Next-Generation Firewall engineered for corporate head offices, data center edges, and demanding branch networks. Operating on an optimized dual-multicore architecture, it delivers exceptional 3.4 Gbps threat prevention throughput and scales up to 1.5 million concurrent sessions without bottlenecking network performance.

KEY PERFORMANCE BENCHMARKS

NGFW / THREAT THROUGHPUT

3.4 Gbps

Includes Firewall, AVC, and NGIPS threat inspection

FIREWALL THROUGHPUT (RAW)

6.0 Gbps

Stateful inspection performance (ASA Mode)

CONCURRENT SESSIONS

1,500,000

Supports 1.5 Million active connection states

MAX IPSEC VPN TUNNELS

3,500 Peers

High-density remote user & site-to-site capacity

PERFORMANCE & SCALE METRICS

Feature Metric	Specification Value
IPsec VPN Throughput (Fastpath)	1.2 Gbps (700 Mbps L2L Standard)
TLS / SSL Decryption Throughput	475 Mbps
New Connections Per Second (CPS - FTD)	18,000 connections/sec
New Connections Per Second (CPS - ASA)	28,000 connections/sec
High Availability (HA) Options	Active/Standby, Active/Active Stateful Failover
Application Visibility & Control (AVC)	Standard (4,000+ app signatures & OpenAppID support)

SUPPORTED OPERATING SYSTEMS

- Cisco Firepower Threat Defense (FTD):** Threat-focused unified software platform combining stateful firewalling, NGIPS, Application Control, AMP malware defense, and URL filtering into a single OS.
- Cisco Adaptive Security Appliance (ASA):** Supports re-imaging to classic ASA code for enterprise network routing and stateful access control integration.

HARDWARE SPECIFICATIONS & INTERFACES

Hardware Component	Specification Details
Integrated Copper Interfaces	12 x 1GbE RJ-45 (10M/100M/1GBASE-T)
Integrated Fiber Interfaces	4 x 1GbE SFP (Optical Ports)
Total Integrated Ports	16 Ethernet Data Ports (12 Copper + 4 Fiber)
Dedicated Management Port	1 x 10M/100M/1GBASE-T Ethernet (RJ-45)
Console Ports & USB	1 x RJ-45 Serial Console + 1 x USB 2.0 Type-A
Internal Storage	1x 100 GB SSD (Primary) + 1x Spare SSD Slot (MSP)
Chassis Form Factor	1RU Standard 19-inch Rack-Mount

PHYSICAL, POWER & ENVIRONMENTAL SPECS

Parameter	Specification
Dimensions (H x W x D)	1.73 x 16.90 x 19.76 in (4.4 x 42.9 x 50.2 cm)
System Weight	~7.3 kg (16.1 lbs)
Power Supply Unit	Single Integrated 250W AC Power Supply (100V–240V AC)
AC Input Current / Power	< 2.7A at 100V 250W Max Output
Cooling System	4 x Integrated Fans (2 internal, 2 exhaust; Front-to-Rear Airflow)
Acoustic Noise Level	56 dBA @ 25°C (Up to 74 dBA at max performance)
Operating Temperature	0°C to 40°C (32°F to 104°F)

MANAGEMENT & LICENSE SUBSCRIPTIONS

CENTRALIZED MANAGEMENT

- **FMC:** Firepower Management Center (On-Premises)
- **FDM:** Firepower Device Manager (Local Web GUI)
- **CDO:** Cisco Defense Orchestrator (Cloud)

SMART SECURITY SUBSCRIPTIONS

- **Threat License (T):** NGIPS & Application Control
- **URL Filtering (URL):** Web Reputation & Categories
- **AMP for Networks (AMP):** Malware Sandboxing