

Cisco Firepower 4115

Enterprise Next-Generation Firewall (NGFW)

Product Data Sheet
SKU: FPR4115-NGFW-K9

The **Cisco Firepower 4115 (FPR4115-NGFW-K9)** is a ultra-high performance, rack-dense 1RU security platform built for data centers, campus edges, and high-volume service provider environments. Equipped with multi-core x86 processors and hardware-accelerated crypto/inspection engines, it delivers outstanding threat inspection throughput, high session density, and robust carrier-grade reliability.

KEY VALUE HIGHLIGHTS

Data Center Throughput

Delivers up to 80 Gbps of concurrent Firewall, AVC, and Next-Generation IPS threat inspection capability.

Carrier-Grade Resilience

Hot-swappable redundant power supplies (1+1 AC/DC) and fan trays (N+1) with high availability clustering support.

High Interface Density

Two network module (NetMod) expansion slots supporting flexible 1G, 10G, 40G, and 100G Ethernet connectivity options.

Massive Concurrency

Supports up to 30 million concurrent connections and 320,000 new connections per second for heavy web traffic.

PERFORMANCE & CAPACITY SPECIFICATIONS

Parameter	Specification Standard
FW + AVC Throughput	80 Gbps
FW + AVC + Next-Gen IPS Throughput	80 Gbps
IPS Throughput (Standalone)	80 Gbps
IPSec VPN Throughput	36 Gbps
TLS / SSL Decryption Throughput	15 Gbps
Concurrent Connections	30,000,000 (30 Million)
New Connections / Second	320,000
Maximum VPN Peers	10,000 Site-to-Site / Remote Access

HARDWARE ARCHITECTURE & CONNECTIVITY

- Network Module Slots:** 2 x NetMod expansion bays supporting 1/10/40/100G interfaces.
- Onboard Management Ports:** 1 x 10/100/1000BASE-T RJ-45 dedicated management port.
- Console & Auxiliary:** 1 x RJ-45 Serial Console, 1 x USB 3.0 Type-A port.
- Storage Capacity:** Dual SSD storage setup for system logs, configuration, and threat event retention.
- Form Factor:** 1RU rack-mountable chassis fits standard 19-inch equipment racks.

SOFTWARE FEATURES & CAPABILITIES

Feature Area	Capabilities & Descriptions
Operating Systems	Supports Cisco Firepower Threat Defense (FTD) or Cisco ASA Software .
Application Control	Granular Application Visibility and Control (AVC) with context awareness for thousands of apps.
Threat Intelligence	Real-time threat feeds provided by Cisco Talos® dynamic intelligence network.
Redundancy & Clustering	Active/Standby, Active/Active HA, and multi-unit clustering up to 16 nodes for scalable growth.
Advanced Protection	Snort 3 Next-Gen IPS, Cisco Secure Endpoint (AMP), and category-based URL Filtering.
Management Options	Centralized management via Cisco Firepower Management Center (FMC) or Cisco Defense Orchestrator (CDO).

PHYSICAL, POWER & ENVIRONMENTAL SPECIFICATIONS

Dimensions & Weight

- **Dimensions (H x W x D):** 1.75 x 16.9 x 29.7 in (4.4 x 42.9 x 75.4 cm)
- **Form Factor:** 1RU
- **System Weight:** ~35.0 lbs (15.8 kg) with dual PSUs

Power & Thermal Redundancy

- **Power Supply:** Dual 1+1 Hot-swappable AC or DC options
- **Input Voltage:** 100 to 240V AC / -40 to -60V DC
- **Cooling:** Hot-swappable fan modules with N+1 redundant airflow

LICENSING & FEATURE SUBSCRIPTIONS

Cisco Firepower 4100 Series utilizes Smart Licensing. System hardware includes basic firewall functionality and AVC. Advanced protection requires feature subscriptions:

License Tier	Included Security Functionality
Base License	Stateful Firewall, AVC, IP/URL Site-to-Site VPN, and high availability clustering support.
Threat License (T)	Snort 3 Next-Generation Intrusion Prevention System (NGIPS) and Talos dynamic intelligence updates.
Malware License (AMP)	Cisco Secure Endpoint (AMP) for network sandboxing, file trajectory, and advanced threat detection.
URL Filtering (URL)	Dynamic web category and reputation filtering across hundreds of millions of web domains.

ORDERING INFORMATION

- **FPR4115-NGFW-K9:** Cisco Firepower 4115 NGFW Appliance Chassis, 1RU.
- **FPR4C-NM-8X10G=:** Cisco 8-port 10G SFP+ Network Module.
- **FPR4C-NM-2X100G=:** Cisco 2-port 100G QSFP28 Network Module.
- **L-FPR4115T-TMC=:** Cisco FPR4115 Threat, Malware, and URL Filtering Subscription License.