



Cisco Secure Firewall 6100 Series

The highest performance density
for AI-ready data centers



The Powerhouse

Hardware and Performance

Engineered for AI-ready data centers and high-performance environments.

Unmatched scalability

8 Tbps

Up to 8 Tbps of throughput for L7, AppID, and threat inspection.

Performance density

600+ Gbps throughput in a 2-rack unit – maximizing space efficiency.

No-compromise security

Maintains high speed even when handling encrypted traffic.

Efficiency metrics*

- ▼ **80%** less space required.
- ▼ **67%** less cost per protected Gbps.
- ▼ **60%** less power consumption.

*compared to the competitive firewalls

The Brains

AI/ML-Driven Intelligence and Threat Protection

Powered by Cisco Talos – the industry’s most trusted threat intelligence team of world-class researchers and analysts.



Talos security intelligence

- Superior visibility: **886B+** security events analyzed daily.
- Intrusion prevention: **65K+** rules targeting threat actor behavior.
- Malware protection: **95M** malware samples blocked monthly; **85K** malicious files detected daily.
- Web & DNS security: **5B** malicious URIs blocked annually; **400M** malicious domains blocked monthly.
- Faster security response: **200+** zero-day vulnerabilities discovered annually.



SnortML

Machine learning-based IDPS protection that detects unknown variants of known attacks, providing zero-day protection.



Encrypted Visibility Engine (EVE)

Processes **1B+** TLS fingerprints daily, giving security teams full visibility into encrypted traffic – without decryption – while maintaining both privacy and performance.

The Fabric

Distributed Enforcement and Unified Management

Optimized for zero-trust segmentation and application protection across all environments.

AI-native unified management with Security Cloud Control:

- **Distributed enforcement:** Integrate into the Cisco Hybrid Mesh Firewall to deliver seamless, consistent security across physical, virtual, cloud, and containerized environments, ensuring robust protection for modern workloads at both edge and core.
- **Intent-based policy:** The industry’s first multi-vendor approach – write policy once and enforce everywhere across Cisco and third-party enforcement points.
- **Operational efficiency:** Change enforcement points without rewriting policies. Optimize existing rules with zero rip and replace.



Cisco Secure Firewall 6100 Series Advantage

Pillar	Capability	Benefit
Hardware	6100 Series firewall	Massive throughput for AI-ready data center operations.
Intelligence	Talos + SnortML + EVE	ML-driven encrypted traffic analysis and proactive zero-day protection.
Management	Security Cloud Control	Unified intent-based policy across multi-vendor environments.

Protect your applications wherever they live

Explore Hybrid Mesh Firewall

Protect AI-ready data centers and telecom mobility infrastructure

Explore 6100 Series Firewall