

Cisco Firepower 2100 Series NGFW Appliances



Benefits

- **Ensure business resiliency** through superior security with sustained performance
- **Eliminate the performance costs** of activating IPS
- **Get twice the port density and performance** vs. similarly priced competition
- **Go from connection to protection** in 5 minutes with low touch provisioning
- **Save on power and space costs** with a 1RU form factor

Business Resiliency Through Superior Threat Defense

Business resiliency is job one for network operations teams. And business resiliency requires security. Your network isn't really up – your IT environment isn't delivering customer value – if you're fighting a pervasive breach. But when it comes to next-generation firewalls (NGFWs), organizations are often forced to choose between security and network throughput performance.

The Cisco Firepower 2100 Series NGFW appliances deliver business resiliency through superior threat defense. They provide sustained network performance when threat inspection features are activated to keep your business running securely. And they are now simpler to manage for improved IT efficiency and a lower total cost of ownership.

The Firepower 2100 Series NGFW sustains its throughput performance as threat services are added. They do this by uniquely incorporating an innovative dual multi-core CPU architecture that optimizes firewall, cryptographic, and threat inspection functions simultaneously. They won't become a network bottleneck or lose effectiveness like competitors when threat inspection is turned on. Now, achieving security doesn't come at the expense of network performance.

And when it comes to management, Cisco Firepower NGFW is now even less time consuming to set up and less costly to manage. You have choices of local, centralized, and cloud based managers that fit your environment and the way you work.

Figure 1. Cisco Firepower 2110/2120 Model



Figure 2. Cisco Firepower 2130/2140 Model



The Cisco Firepower 2100 Series appliances can be deployed either as a Next-Generation Firewall (NGFW) or as a Next-Generation IPS (NGIPS). They are perfect for the Internet edge and all the way in to the data center. Four new models are available.

- The Firepower 2110 and 2120 models offer 1.9 and 3 Gbps of firewall throughput, respectively. They provide increased port density and can provide up to sixteen (16) 1 Gbps ports in a 1 rack unit (RU) form factor.
- The Firepower 2130 and 2140 models provide 5 and 8.5 Gbps of firewall throughput, respectively. These models differ from the others in that they can be customized through the use of network modules, or NetMods. They can provide up to twenty-four (24) 1 Gbps ports in a 1 RU appliance, or to provide up to twelve (12) 10 Gbps ports.
- Firepower 2100 NGFWs uniquely provide sustained performance when supporting threat functions, such as IPS. This is done using an innovative dual multi-core architecture. Layer 2 and 3 functionality is processed on one NPU (Network Processing Unit). Threat inspection and other services are processed on a separate multi-core x86 CPU. By splitting the workload, we eliminate the performance degradation that you see with competing solutions when turning on threat inspection.

Next Steps

To learn more about the Cisco Firepower 2100 Series, please visit <http://www.cisco.com/go/firepower2100>

To learn more about Cisco Firepower NGFW, please visit <http://www.cisco.com/go/ngfw>

To learn more about Cisco Firepower NGIPS threat appliances, please visit <http://www.cisco.com/go/ngips>

To learn more about the Cisco Advanced Malware Protection capability, please visit <http://www.cisco.com/go/amp>

To learn more about Cisco's Talos Security Intelligence and Research team, please visit <http://www.talosintelligence.com>