

Fortinet's New FortiGate 6040E Enterprise Firewall Delivers Unparalleled Next Generation Firewall Performance to Large Enterprises

[Fortinet](#)[®], the global leader in high-performance cybersecurity solutions, announced the expansion of its [Security Fabric](#) with introduction of the FortiGate 6040E enterprise firewall. First in Fortinet's new 6000 series of ultra-high throughput enterprise firewalls, the FortiGate 6040E delivers the unprecedented next-generation firewall performance, effortless scale, and superior security so large enterprises don't have to compromise between security features or network speed disruption.

"Enterprises are being disproportionally impacted as the adoption of cloud services and growth in remote access to corporate networks have eroded the network perimeter and steadily increased the demands on enterprise infrastructures. Facing the limitations of traditional security solutions, only the performance advantages of Fortinet's next-generation processors powering our new FortiGate 6000 series enterprise firewalls will give large enterprises the freedom to deploy the advanced security solutions necessary to protect their organizations today and into the future," says Michael Xie, founder, president and chief technology officer of Fortinet.

Security Solutions Have Become the Gateway to the Cloud

Adoption of [cloud services](#) and the ease of remote access to network assets have created a perfect storm for large enterprises, drastically increasing external demands on IT networks and exponentially expanding the attack surface. As a result, the enterprise next-generation firewall has become the de facto gateway to the cloud.

Compounding on these challenges, security leaders must overcome the limitations of the technologies used in most next-generation firewall solutions available today – forcing them to choose between enabling security features or preserving the performance of their networks.

"Mobility, the cloud and IoT has raised the complexity of security to new heights. The number of advanced and targeted threats has rendered traditional approaches to security ineffective as most point products can no longer keep up. The 2015 ZK Research Security Survey revealed that

43% of respondents admit to turning features off in security appliances to improve performance. A unified security fabric that can provide the necessary layers of security without additional complexity or slowing down the network has become vital," says Zeus Kerravala, principle analyst at ZK Research. He explains, "It's critical that security professionals look at how security appliances are being built. A study by ZK Research conducted earlier this year found that ASIC based products consistently have an 18 to 24 month lead on price/performance over ones built on off the shelf silicon."

FortiASIC Hardware Acceleration Eliminates Security Compromise

Overcoming the limitations of traditional next-generation firewall solutions, the FortiGate 6040E is built on an innovative new processing architecture, utilizing FortiASIC content and network processors to offload and accelerate the security performance of its dual CPUs. Integrating advanced security processing, intelligent controls, and high speed networking enable the FortiGate 6040E to deliver unprecedented security and network performance in a deceptively compact form-factor.

[if !supportLists]· [endif]Fortinet's new [FortiGate 6040E](#) enterprise next-generation firewall is designed to secure the vast amounts of mobile and cloud traffic for the largest of enterprises.

[if !supportLists]· [endif]Fortinet bolsters its [Security Fabric](#) with its new FortiASIC CP9 next-generation Content Processors. CP9 accelerates the inspection of computationally intensive intrusion prevention (IPS) and secure socket layer (SSL) VPN traffic to deliver the level of performance required to deploy security wherever it is needed within the infrastructure.

[if !supportLists]· [endif]New FortiGate 2000E and 2500E enterprise firewalls deliver CP9 ASIC advantages to enterprise edge and internal segments.

FortiGate 6040E Technical Highlights:

[if !supportLists]· [endif]320Gbps enterprise firewall throughput.

[if !supportLists]· [endif]80Gbps throughput with all next-generation firewall features enabled.

[if !supportLists]· [endif]FortiASIC CP9 brings enhanced SSL decryption performance to close gaps in the attack surface.

[if !supportLists]· [endif]Intelligent networking, security, processing, and management capabilities are all efficiently integrated within a small form-factor chassis.

[if !supportLists]· [endif]Six different interface configuration options tailored to match individual customer needs:

FG-6040E	FW / NGFW Throughput	10GbE Interface	40GbE Interface	100GbE Interface
Option 1	320 Gbps / 80 Gbps	64 x 10GbE	-	-
Option 2	320 Gbps / 80 Gbps	-	16 x 40GbE	-
Option 3	320 Gbps / 80Gbps	-	-	8 x 100GbE
Option 4	320 Gbps / 80Gbps	32 x 10GbE	8 x 40GbE	-
Option 5	320 Gbps / 80Gbps	32 x 10GbE	-	4 x 100GbE
Option 6	320 Gbps / 80Gbps	-	8 x 40GbE	4 x 100GbE

Fortinet's new FortiASIC CP9 content processor deliver the performance needed to secure the massive traffic demands of the largest enterprises and enables support for various firewall deployment modes including next-generation and advanced internal segmentation. This frees businesses to deploy security wherever it is needed without impacting network functionality. This enables the superior defences of Fortinet's innovative Security Fabric.

Fortinet also announced the launch of two new FortiGate 2000E series enterprise firewalls, bringing the enhanced capabilities of FortiASIC CP9 to enterprises requiring higher next-generation firewalling and increased SSL inspection capabilities. The new FortiGate 2000E and 2500E also leverage CP9 deliver increased VPN capabilities, [deep content inspection](#) and advanced application controls.

The FortiGate 6040E, 2000E, and 2500E will all be available in Q2 2016.