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## Fortinet's Next-Generation System-on-a-Chip Accelerates the World's Most Powerful Distributed Enterprise Firewall

### Fortinet Sets a New Benchmark for Secure Networking Performance and Enhances Fortinet's Security Fabric for Distributed Enterprises, Branch Offices and Small Businesses

SUNNYVALE, CA -- (Marketwired) -- 07/26/16 -- **News Summary:**

[Fortinet®](#) (NASDAQ: FTNT), the global leader in high-performance cybersecurity solutions, today announced the expansion of its [Security Fabric](#) with the introduction of its third-generation FortiASIC SOC3 System-on-a-Chip architecture. Fortinet's SOC3 accelerates the new FortiGate 60E series security appliances to further speed its already best-in-class throughput with consolidated security and networking capabilities. The FortiGate 60E enables distributed enterprises, branch offices and SMBs to leverage the superior protection of Fortinet's Security Fabric.

- ▮ The SOC3 more than doubles the secure networking performance over the enterprise-class CPUs found in competing security solutions and propels the new FortiGate 60E series distributed enterprise firewalls to unprecedented levels of security and performance.

#### Industry-Leading Security Meets Best-in-Class Performance

The massive growth of the digital economy and explosion of traffic on corporate infrastructures are [driving industry giants](#) to adopt highly efficient custom ASIC (Application Specific Integrated Circuit) technologies to meet surging demands and maintain a competitive advantage. Fortinet has been investing in this ASIC strategy since its founding and continues to drive network security innovation with its next-generation FortiASIC SOC3 security-specific processor.

FortiASIC SOC3 powers Fortinet's new FortiGate 60E series distributed enterprise firewalls and sets a new bar as the most powerful firewall in its class, outperforming competitive solutions available on the market today. The FortiGate 60E is the ideal entry point for distributed enterprises, branch offices and SMBs that require the advanced protection, networking performance, unified visibility and ease of management offered by Fortinet's Security Fabric.

The FortiGate 60E series consolidates numerous security and networking functions into a single compact appliance:

- ▮ **Advanced Security:** Enterprise Firewall, IPS, VPN Inspection, WAF, SSL Inspection and Cloud-Based Sandboxing
- ▮ **Performance Networking:** Routing, Load Balancing, WAN Optimization, 3G/4G connectivity and 802.11ac WiFi

These capabilities unlock deployment options such as software defined WAN (SD-WAN), while the new FortiWiFi 60E -- based on the FortiGate 60E -- adds high-speed 802.11ac wireless access point capabilities to further reduce complexity and eliminate the need for additional wireless equipment.

All of these features are administered through an intuitive and unified management console that includes options for a cloud-based or hosted solution. These powerful management solutions arm distributed enterprises with the visibility, analytics and control offered by Fortinet's Security Fabric.

#### FortiGate 60E vs. The Competition:

Specification	FortiGate 60 (SOC3 ASIC)	Industry Average* (Based on this price point)	Distributed Enterprise Advantage using FortiGate 60E
Firewall	3000 Mbps	630 Mbps	<b>5x</b> higher firewall throughput compared to industry average
IPSEC VPN (AES256 and 1400 bytes)	3000 Mbps	275 Mbps	<b>11x</b> higher VPN with AES256 encryption compared to industry average helps more users to securely access public cloud applications
IPS Throughput	1400 Mbps	300 Mbps	<b>5x</b> higher IPS throughput compared to industry average benefits higher threat prevention

SSL Inspection	340 Mbps	45 Mbps	<b>8x</b> better SSL inspection throughput compared to industry average provides complete protection against rising SSL traffic
Concurrent Sessions	1.3 Million	0.27 Million	<b>5x</b> higher sessions compared to industry average increases the productivity as more users are getting benefit of complete security
Power Consumption	5 W	15 W	<b>3x</b> lower power consumption enables high scalability

*\*Industry Averages Calculated by Price Point of Competing Solutions Offered by CheckPoint, Dell and Cisco Meraki*

### **The Next-Generation of Security Processing**

Fortinet's SOC3 leverages advances in silicon design to consolidate networking and security- specific processors onto the same die alongside a quad-core CPU. SOC3's security-optimized architecture delivers deep security analysis and inspection capabilities that meet and exceed enterprise-class, general-purpose CPUs that power competing products. This architecture also yields design efficiencies that reduce power consumption to a meager 5 Watts and enable a fan-less design that runs quietly enough to deploy in any environment.

### **Supporting Quotes**

#### **Michael Xie, founder, president and chief technology officer of Fortinet**

"The limitations of traditional security solutions often require distributed enterprises and SMBs to compromise on network performance and ease of management to accommodate the advanced security needed to combat today's expanding threat landscape. Eliminating this need to compromise is the driving force behind Fortinet's continued investments into researching and developing innovative network security processing solutions that free organizations to deploy the advanced security solutions necessary to protect their organizations while enabling them to meet growing device and performance requirements today and into the future."

#### **Hussein Syed, CISO, RWJBarnabas Health**

"RWJBarnabas Health takes no chances when it comes to the protection of our patients and employees. Operating a complex network of 11 locations and 5 million patients also requires the network performance and secure access to maintain efficiency and maximize our productivity. We chose Fortinet's distributed enterprise network security solutions because they deliver the networking performance and functionality to meet our infrastructure demands while exceeding the expectations and stringent network protections we require."

#### **Leo Cruz, senior security architect, Myriad Supply**

"Organizations around the world are challenged by new and emerging threats on a daily basis. We're excited to offer our clients within the SMB and retail space a Next-Generation firewall that delivers sophisticated network security tactics to combat these threats. Myriad is very proud to be working alongside Fortinet as they continue to revolutionize threat intelligence and protection"

### **Availability**

Fortinet's FortiASIC SOC3 System-on-a-Chip debuts in the FortiGate 60E series of distributed enterprise security appliances and is available today. Please contact your authorized Fortinet channel partner for pricing and details.

### **Additional Information**

**Website:** [FortiGate Enterprise Firewalls](#), [FortiASIC Processors](#)

**Blogs:** [Introducing the World's Fastest and Most Secure Distributed Enterprise Firewall](#) (Fortinet Blog), [Introducing the Fortinet Security Fabric](#) (Fortinet Blog), [Why Networks Need ASICs](#) (EETimes)

### **About Fortinet**

Fortinet (NASDAQ: FTNT) secures the largest enterprise, service provider, and government organizations around the world. Fortinet empowers its customers with intelligent, seamless protection across the expanding attack surface and the power to take on ever-increasing performance requirements of the borderless network - today and into the future. Only the Fortinet Security Fabric architecture can deliver security without compromise to address the most critical security challenges, whether in networked, application, cloud or mobile environments. More than 270,000 customers worldwide trust Fortinet to protect their businesses. Learn more at <http://www.fortinet.com>, the Fortinet Blog, or FortiGuard Labs.

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