

The Fortinet ASIC-Based Advantage

Key Intellectual Property

Performance and Flexibility

FortiASIC™ is the foundation of Fortinet's unique hardware technology. FortiASIC is a family of purpose built, high-performance network and content processors that work with a general-purpose processor to accelerate compute-intensive security services and to provide the performance required to deliver enterprise-class Unified Threat Management (UTM) services. Fortinet's FortiOS™ security hardened operating system directs the operations of processors and also provides system management functions such as the local web-based interface. FortiOS and the protection services it provides are dynamically updated, via the Fortinet's FortiGuard™ network, ensuring systems are always protected with the latest security technology.

Fortinet FortiASIC Processors

FortiASIC - CP

High-Performance Content Processor



- Combines a high performance content processor, IPSec-VPN and SSL-VPN engines, and a Key Exchange Processor into a single chip solution.
- Drastically reduces bottlenecks in antivirus, VPN encryption/decryption and authentication processing.
- Improves the performance significantly for: content scanning, queue and pipeline management, key exchange, Web filtering and protocol parsing.

FortiASIC - NP

Wire-Speed Network Processor

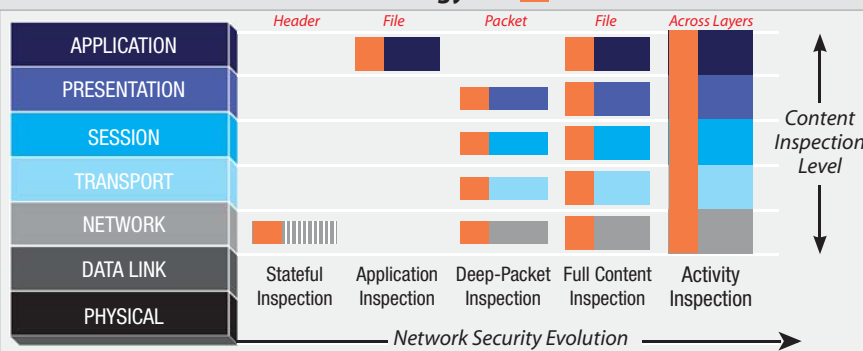


- In-line processor provides acceleration for specific ports with intrusion prevention capabilities to protect system CPU(s) from attack.
- Enables wire-speed performance, independent of packet size, with low-latency for multimedia services.
- Provides high-performance firewall with accelerated encryption for IPSec, TCP offload, Virtual Domain support, QoS, traffic shaping & management logging.

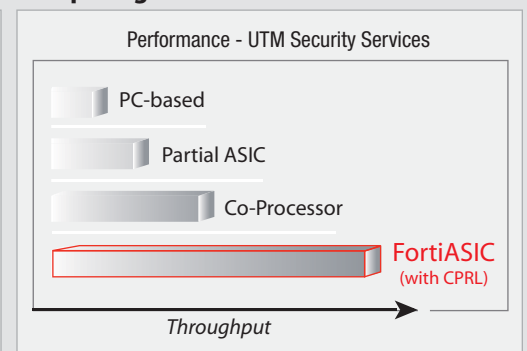
Unified Threat Management (UTM) and complete content protection requires massive amounts of processing power. FortiASIC, using Fortinet's patent-pending Content Pattern Recognition Language (CPRL), has been designed to deliver the highest levels of performance whether providing a single service or an entire suite of UTM security services. Alternatives that cobble together various OEM software elements delivered on traditional server architectures and networking appliances struggle to deliver the processing power required in order to avoid impacting overall network performance. FortiASIC and FortiOS are purpose-built to deliver ultra-high performance, flexible scalability and UTM security at a low total cost of ownership.

Meeting the Performance Demands

The Evolution of Detection Technology



Comparing Platform Architectures



Fortinet: An Alternative Security Vendor To Watch (Jan 2007, www.crn.com)

"Fortinet's defining difference from its competitors is the architecture of its UTM appliances. UTMs typically include a stateful inspection firewall, intrusion prevention/detection systems, antimalware (antivirus, antispyware, antispam), and content filtering and VPN (IPSec and SSL). Fortinet built its own antimalware software, and its ASIC-based hardware provides the power to ensure efficient inline traffic scanning. Most other UTM vendors must partner with antivirus companies for their scanners, and the process power is based more on piled-on memory."

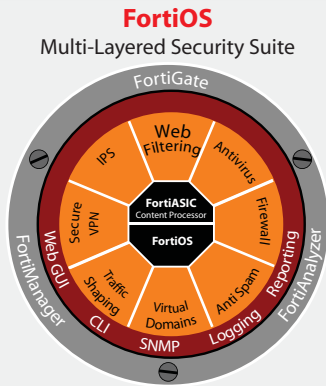
– Lawrence Walsh, Editor VARBusiness & GovernmentVAR Magazine

FortiGate Integrated Hardware and Software Solutions

FortiGate™ appliances are based on an integrated hardware and software architecture specifically designed for high-performance application-level content processing in perimeter, core and data center networks to provide real-time security functions at multigigabit per second data rates. The FortiASIC-CP is a key component in all FortiGate security platforms providing a hardware scanning engine, hardware encryption, and real-time content analysis processing capabilities. The FortiASIC-NP series of processors provides acceleration for firewall, encryption/decryption, signature and heuristic packet scanning, and bandwidth shaping. FortiOS security services can be selectively enabled to provide a unique set of services or a full suite of UTM security services all within a single platform. The FortiGuard network dynamically updates system software and security services such as antivirus, antispam, Web filtering, antispayware, and intrusion prevention to ensure the maximum level of protection is being provided.

Complete Unified Threat Management (UTM) Solutions

FortiGate Security Platforms



FortiASIC - CP Content Processor



All FortiGate Models

FortiASIC - NP Network Processor



FortiGate Models with Accelerated Ports

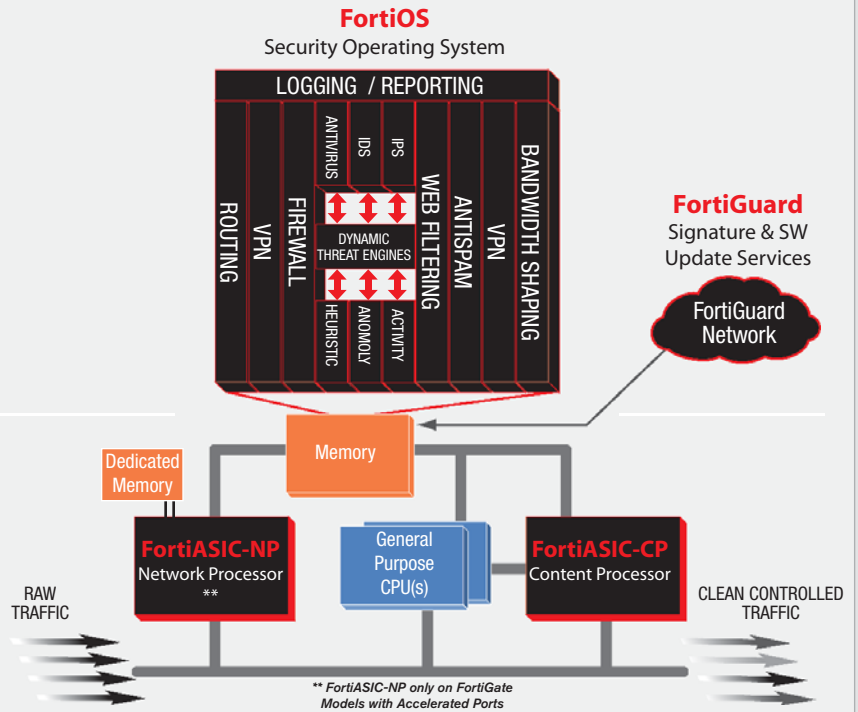
FortiGate Platforms

SMB | Enterprise | MSSP | Carrier



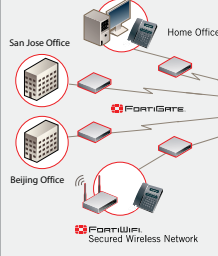
- Purpose Built Hardware - Not Generic Servers
- Fortinet Developed UTM - Not OEM Software
- Fortinet Global Threat Research Team

Flexible Architecture



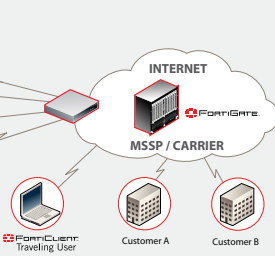
Perimeter

FortiASIC-CP



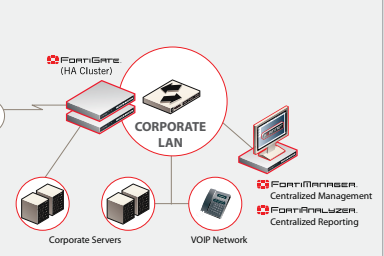
Core

FortiASIC-NP



Data Center

FortiASIC-CP / FortiASIC-NP



- Granular Content-Level Protection in Perimeter Networks
- High-Performance, High-Capacity Core Network Protection
- Full UTM Protection in Data Center Networks



GLOBAL HEADQUARTERS

Fortinet Incorporated
1090 Kifer Road, Sunnyvale, CA 94086 USA
Tel +1-408-235-7700
Fax +1-408-235-7737
www.fortinet.com/sales

EMEA SALES OFFICE-FRANCE

Fortinet Incorporated
120 rue Albert Caquot
06560, Sophia Antipolis, France
Tel +33-4-8987-0510
Fax +33-4-8987-0501

APAC SALES OFFICE-HONG KONG

Fortinet Incorporated
Room 2429-2431, 24/F Sun Hung Kai Centre
No.30 Harbour Road, WanChai, Hong Kong
Tel +852-3171-3000
Fax +852-3171-3008