

FortiGate® -620B

ASIC-Powered Security
at Switching Speeds

Datasheet

UTM Evolution

The evolution of network security threats has driven the expansion of security products to include multiple threat recognition systems within a single appliance. Unified Threat Management systems from Fortinet include firewall, VPN, intrusion prevention, antivirus, antimalware, antispam and web content filtering to identify numerous types of threats from a single device. While the ease of use of UTM products has created a prolific adoption trend, administrators still struggle with limited physical deployment options due to the available throughput and port density of mid-range devices.

Perimeter Dissemination

Over time, as network devices and user habits have evolved, networks experienced a dissemination of the classic perimeter that had previously surrounded and protected their networks. The mobility offered by laptops and more recently, WiFi-enabled smart phones, have introduced security threats from the access layer, where LAN-side users connect to the network. The ideal network security solution would offer line rate throughput on numerous ports to facilitate the segmentation of the LAN into individual security zones, offering granular security policies, the isolation of security events, and increased visibility into network traffic and events.

ASIC-Accelerated Multi-Threat Security Solution

The FortiGate-620B answers the call of growing enterprise networks by integrating a purpose-built security processing ASIC, known as the FortiASIC Network Processor, designed to deliver security throughput at switching speeds. Sixteen hardware accelerated interfaces (expandable to 20) allow networks to enforce firewall policy between network segmentation points for layered security with switch-like performance. An additional purpose-built ASIC, known as the FortiASIC Content Processor, provides additional acceleration for content intensive security technologies such as intrusion prevention and antivirus scanning for dangerous traffic streams. The inclusion of an Advanced Mezzanine Card (AMC) expansion slot allows for even more flexibility, offering additional ASIC-accelerated ports for additional throughput or disk-based storage for local logging and content archiving. With numerous accelerated multi-threat security interfaces, organizations can create multiple security zones for various departments, users, access methods, and even devices to enforce network security at accelerated speeds.

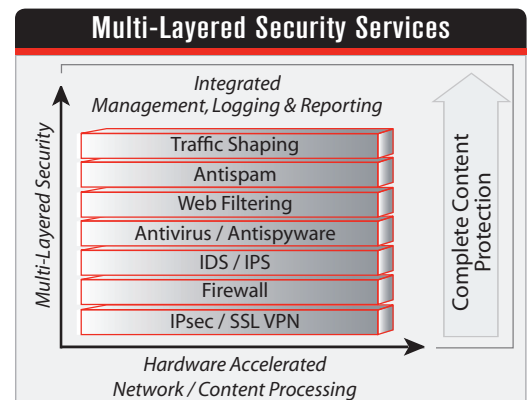


Fortigate-620B
Base Unit

Feature	Benefit
Hardware Acceleration	Up to 20 Gbps FW & 15 Gbps VPN combined with 1Gbps IPS and 250 Mbps AV acceleration ensures security is never a bottleneck
Twenty 10/100/1000 interfaces (expandable to 24)	Facilitates numerous internal segmentation points throughout the network
Modular Expansion	Flexible expansion options for four additional NP-accelerated ports or HDD for local logging and archiving
Unified Security Architecture	Multi-threat protection from a single device increases security and lowers costs

Fortinet's Multi-Layered Security Solution

Fortinet's multi-layered security solutions efficiently and economically provide an integrated set of security services in a single, easy-to-manage high-performance appliance that is capable of supporting a wide range of deployment scenarios. In addition, FortiGuard Subscription Services include everything from technical support, antivirus updates, antispam, and Web content filtering to ensure that your security environment remains current and your corporate resources are protected against the latest blended threats. FortiGate systems come with a one-year limited hardware warranty and 90-day limited software warranty.



FortiGate	620B Base Unit	620B with Optional ASM-FB4
Hardware Specifications		
Total 10/100/1000 Interfaces	20	24
Internal Switch or Security Zone Ports	20	24
AMC Expansion Slot	1 Single Width	N/A
System Performance		
Firewall Throughput – Avg Size Packets (512 byte)	16 Gbps	20 Gbps
Firewall Throughput – Small Size Packets (64 byte)	16 Gbps	20 Gbps
IPSec VPN Throughput	12 Gbps	15 Gbps
Antivirus Throughput*	250 Mbps	
IPS Throughput*	1 Gbps	
Dedicated IPSec VPN Tunnels	20,000	
Concurrent Sessions	600,000	
New Sessions/Sec	25,000	
Policies	100,000	
Unlimited User Licenses	Yes	
Dimensions		
Height	1.77 inches (4.5 cm)	
Width	17 inches (43.2 cm)	
Length	15.5 inches (39.4 cm)	
Weight	20 lbs (9.1 kg)	
Rack Mountable	Yes	
AC Power Required	110 - 240 VAC, 50 - 60 Hz, 8.0 Amp (Max)	
Power Consumption (AVG)	225W	
Environment		
Operating temperature	32 to 104 deg F (0 - 40 deg C)	
Storage temperature	-31 to 158 deg F (-35 to 70 deg C)	
Humidity	20 to 90% non-condensing	
Compliance	FCC Class A Part 15, UL/CUL, C Tick, VCCI	
Certifications	ICSA Labs: Firewall, IPSec, Antivirus, IPS, Antispyware	
* Antivirus performance is measured based on HTTP traffic with 32Kbyte file attachments and IPS performance is measured based on UDP traffic with 512byte packet size. Actual performance may vary depending on network traffic and environments.		

The FortiGate-620B Offers:

- ASIC-Powered firewall security at switching speeds
- Leading price/performance ratio
- Customizable expansion options
- Highest port density of any product in its class
- Multi-threat security from a single device

Fortinet Advanced Mezzanine Card (AMC) Expansion Modules

The AMC standard, also known as AdvancedMC™, was developed by the PCI Industrial Computers Manufacturers Group (PICMG), which has over 100 companies building to the specification. AdvancedMC has been developed to meet the requirements for the next generation of carrier grade communications equipment.

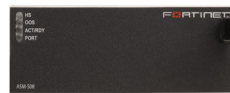
4-Port Gigabit Ethernet Module



ASM-FB4

- 4-Port FortiASIC hardware accelerated Gigabit SFP module
- (Includes 4x SX SFP transceivers)
- 4 Gbps Firewall performance
- 3 Gbps IPsec VPN performance

80 GB AMC Storage Module



ASM-S08

- 80 Gigabyte hard disk drive storage module
- High duty cycle hard drive design

FortiGuard Security Subscription Services

With FortiGuard® Security Subscription services enabled, customers can rest assured that their Fortinet security platforms are performing optimally and protecting their corporate assets with the latest security intelligence. FortiGuard services deliver the latest security content directly to Fortinet products. Fortinet offers four standard subscription services: Antivirus, Intrusion Prevention, Web Filtering and Antispam services to protect against multiple types of new and emerging threats. FortiGuard services are updated by the Fortinet Global Threat Research Team, a team of experts working around the clock and around the world to keep Fortinet customers secure. The Fortinet Global Threat Research Team enables Fortinet to deliver comprehensive multi-threat protection, including zero-day protection from new and emerging threats. The FortiGuard Network is a network of global data centers that automatically deliver updates quickly and reliably to Fortinet products.

For customers requiring guaranteed response time to suspicious malware threats, Fortinet offers a premier version of the FortiGuard Antivirus Security Subscription service. Along with Service Level Agreements (SLAs), the premier service provides the customer with a direct conduit to the Fortinet Global Threat Research Team.

Fortinet also offers a premier version of the FortiGuard Web Filtering Security Subscription service. This higher-tier service offering includes guaranteed SLAs and a larger quota for rating URLs submitted to the Fortinet Global Threat Research Team.

FortiCare Support Services

Includes:

- 24/7/365 FortiCare Web-based support
- 8x5 telephone-based technical support (24x7 - optional)
- 1-Year limited hardware warranty
- Technical account management service available
- Professional services available



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