

Accelerated Interface Modules

Interface Options for Fortinet Products



Fortinet accelerated interface modules increase the flexibility of FortiGate® and FortiCarrier™ platforms with 10-Gigabit Ethernet and Gigabit (GbE) Ethernet interface Options. They also provide additional security performance for the platforms, adding wire-speed firewall and near wire-speed IPsec VPN security for traffic traversing the module's ports.

The embedded FortiASIC™ Network Processors (NP) is what makes the modules' increases in performance possible. By performing firewall and IPsec VPN security functions at the interface level, modules relieve processing overhead from the host system, freeing resources for other functions.

Fortinet accelerated interface modules are available in double-width and single-width Advanced Mezzanine Card (AMC) form factors, providing a range of options to customers with AMC-enabled Fortinet platforms. 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. The AMC standard has been developed to meet the requirements for the next generation of carrier-grade communications equipment.

The FortiASIC Advantage

FortiASIC processors accelerate network security in Fortinet platforms. With exclusive hardware, the purpose built, high-performance network and content processors use intelligent and proprietary digital engines to accelerate compute-intensive security services.

| Features | Benefits |
|----------|----------|
|----------|----------|

Port-Level Security Inspection

Provides firewall, IPsec VPN, and IPS anomaly security features at the port-level, freeing host system resources for other functions.

FortiASIC Hardware Acceleration

Wire speed ports deliver peak performance, regardless of application

Modular Form Factor

Build the ideal system configuration or upgrade an existing system with an available AMC expansion bay.



ADM-XD4 Module



ADM-XB2 Module



ADM-FB8 Module



ASM-FB4 Module

| Accelerated Interface Modules | ADM-XD4 | ADM-XB2 | ADM-FB8 | ASM-FB4 |
|-----------------------------------|--|--|--|--|
| Hardware Specifications | | | | |
| 10-GbE Interfaces | 4 | 2 | 0 | 0 |
| GbE Interfaces | 0 | 0 | 8 | 4 |
| Transceiver Type(s) Supported | SFP+ | XFP | SFP | SFP |
| FortiASIC Hardware Acceleration | FortiASIC NP4 Processor | FortiASIC NP2 Processor | FortiASIC NP2 Processor | FortiASIC NP2 Processor |
| AMC Expansion Slot Required | 1 Double-Width | 1 Double-Width | 1 Double-Width | 1 Single-Width |
| Transceivers Included | 2 SFP+ 10GBASE-SR | 2 XFP 10GBASE-SR | 4 SFP 1000BASE-SX | 4 SFP 1000BASE-SX |
| Performance Specifications | | | | |
| Firewall (64B UDP) | 20 Gbps | 11 Gbps | 8 Gbps | 4 Gbps |
| Firewall (512/1518B UDP) | 20 Gbps | 11 Gbps | 8 Gbps | 4 Gbps |
| IPSec VPN (3DES) | 8 Gbps | 6 Gbps | 6 Gbps | 3 Gbps |
| Environment | | | | |
| Operating Temperature | 32 – 104 deg F (0 – 40 deg C) | 32 – 104 deg F (0 – 40 deg C) | 32 – 104 deg F (0 – 40 deg C) | 32 – 104 deg F (0 – 40 deg C) |
| Storage Temperature | -13 – 158 deg F (-25 – 70 deg C) | -13 – 158 deg F (-25 – 70 deg C) | -13 – 158 deg F (-25 – 70 deg C) | -13 – 158 deg F (-25 – 70 deg C) |
| Humidity | 5 to 95% non-condensing |
| Compliance | | | | |
| | FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI | FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI | FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI | FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI |

All performance values are "up to" and vary depending on system configuration

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