

Fortinet T1/E1 WAN Module

ASM-ET4

Datasheet

WAN Connectivity Option For FortiGate® Multi-Threat Security Systems

The Fortinet ASM-ET4 Wide Area Network (WAN) Module adds up to four (4) full rate T1/E1 wide area network connections to FortiGate-310B multi-threat security appliances. The single width Advanced Mezzanine Card (AMC) module includes four (4) RJ-48C interfaces, fully integrated internal CSU/DSU hardware, complete integration with FortiGate security inspection hardware, and local/remote configuration and monitoring via FortiOS™ Web-based and command-line interfaces. The features of the ASM-ET4 allow for the deployment and monitoring of multiple T1 or E1 circuits from anywhere and at any time—all while maintaining the reduced physical space and power requirement benefits of a single appliance deployment.



ASM-ET4

Key Features and Benefits

- T1/E1 WAN Connectivity** Simplifies management of remote infrastructure, while reducing the need for an additional external device to connect T1/E1 links.
- Modular Form Factor** Empowers customers with the ability to build the ideal system configuration, or upgrade an existing system with an available AMC expansion bay.
- FortiOS Integration** Lowers operational burden through total integration with the FortiGate operating system. Realize more benefits of security and network device consolidation with the multi-threat security features offered by FortiGate and FortiOS.

FortiGate Multi-Threat Security Solutions

FortiGate multi-threat security solutions provide an integrated set of security services in a single, easy-to-manage platform that is capable of supporting a wide range of deployment scenarios. FortiGate systems provide essential security services, with fully integrated firewall, Virtual Private Network (VPN), intrusion prevention, antivirus/antispyware, Web filtering, antispam, and application control. To ensure that the security effectiveness of the FortiGate solutions remains at the highest levels possible, Fortinet offers FortiGuard® subscription services that include antivirus updates, intrusion prevention updates, an antispam rating service, and a Web filtering rating service. A wide range of hardware models is available to accommodate any network size—from the remote office or branch office to the high-speed core or data center.



Technical Specifications



HARDWARE SPECIFICATIONS

ASM-ET4

RJ-48C Interfaces 4
 AMC Expansion Slots Required 1 Single-Width
 Compatible FortiGate Systems FortiGate-310B

Operating Mode Framed Clear Channel
 HDLC Support Yes
 Diagnostic Loopback Yes
 System Timing Internal / External

	T1	E1
Transmit rate (Mbps)	1.544	2.048
Receive rate (Mbps)	1.544	2.048
Line Encoding	B8ZS, AMI	HDB3, AMI
Standards Supported	ANSI T1.403, AT&T 54016, 62411	ITU G.703, ITU G.704, ITU G.706, ITU G.962

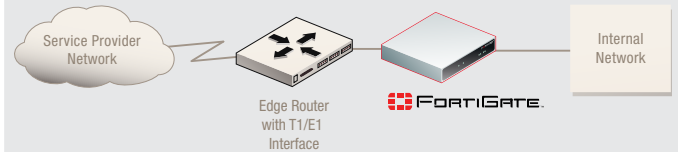
Framing Schemes Supported D4(SF), ESF

ENVIRONMENTAL

Operating temperature 32 to 104 deg F (0 to 40 deg C)
 Storage temperature -13 to 158 deg F (-25 to 70 deg C)
 Humidity 5 to 95% non-condensing

COMPLIANCE FCC Class A, Part 15,
 UL/CUL, C Tick, CE, VCCI

Typical Deployment with T1/E1 Connection



Simplified Deployment with ASM-ET4 Module



FortiGuard Security Subscription Services

• Antivirus
 • Intrusion Prevention

• Web Filtering
 • Antispam

• Premier Signature Service
 Includes Antivirus and Intrusion Prevention Updates with additional service level agreements

FortiCare™ Support Services

• 24/7/365 Web-Based Technical Support
 • Technical Account Management Service (Optional)

• 24-Hour Phone-Based Support (Optional)
 • Professional Services (Optional)

• 1-Year Limited Hardware Warranty
 • 90-Day Limited Software Warranty



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