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Product Model Name:
Optical Gigabit 2U Firewall

1. Market Segment:

Firewalls create barriers in order to prevent unauthorized access to a network. Think of the internet as a series of hallways. Firewalls are the security doors through which some people (i.e. data) may pass and others may not.

2. Products **Features**

- High end firewall and IP Network security Solutions
- Supports Two 1000BASE-SX Gigabit Ethernet LAN Card
- Supports Three 10/100Mbps Ethernet LAN Card
- Supports four USB 1.1 ports

3. Hardware Specification

CPU	• Supports Intel DP Foster (socket 603) & Next Generation processors (Prestonia) • Supports all CPUs speed
Memory	• One board RIMM x 4Supports PC800 DRDRAM modules • Supports maximum memory size up to 2GB
Chip Set	• Intel 860 chipset • MCH (1012 OLGA) – Memory & Graphics controller • ICH2 (360 EBGA) – I/O controller • FWH (32 PLCC) – BIOS & Management controller • P64H (241 mBGA) – 64-bit Bus Master PCI Expander

LAN	• Supports Two **64-bit PCI 1000BASE-SX Gigabit** Ethernet Cards
	  • **Two multimode optical fiber SC connectors**
	• Supports Three **10/100 Mbps Dual Speed** Ethernet Cards
	  • Two RealTek 8139C Lan Controllers
	  • One Intel 82550EY Lan Controller
	  • **Three RJ45 Lan connectors**

I/O Control	• Winbond W83627HF SIO low pin count (LPC)interface I/O controller
Graphics	• NVIDIA GeForce2 MX 420 GPU
Peripheral interfaces	• Supports two external COM connector • Supports four external USB 1.1 connectors
H/W Monitoring	• Supports Voltage sense to detect out of range values • Supports 4 Fan Speed Monitoring and Control • Supports 5 Temperature Monitoring (Three for system and two for processor temperature) • Supports Chassis Intrusion detecting
Power Management	• Supports ACPI • Supports APM • Supports SMBUS • Supports DMI • Supports PnP

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	• Supports BIOS Flash Control to provide H/W & S/W BIOS protection • Supports AC-Loss Recovery
Sofware	• Focus on the Windows NT 4.0/Windows 2000/Redhat Linux • Corelogic Patch utility for Windows 2000 • H/W Monitoring utility for Windows NT 4.0/Windows 2000
Power Supply Require	• New WTX 460W connector, provided by NMB power supply
Form Factor	• 6-layer PCB design • Extended ATX form-factor 305mm x330mm • Support EEB 3.0 spec

4. Power Form Factor

- INPUT CHARACTERISTICS**:**

  - VOLTAGE----- **90 ~ 264** VAC FULL

  - FREQUENCY----- **47 ~ 63** HZ

  - INPUT CURRENT:----- **6.0** A (RMS) FOR **115** VAC**, 3.0** A (RMS) FOR **230** VAC

  - INRUSH CURRENT-----**65** A MAX. FOR **115** VAC,**125**A MAX FOR **230** VAC

- OUTPUT CHARACTERISTICS**:**

OUTPUT VOLTAGE	OUTPUT CURRENT		REGULATION		OUTPUT RIPPLE & NOISE MAX. [P-P]
	MIN(A).	MAX(A)	LOAD	LINE	
+5V	5.0	40	± 5%	± 1%	60mV
+12V	2.5	25	± 5%	± 1%	100mV
-5v	0	0.8	± 5%	± 1%	100mV
-12v	0	1.0	± 5%	± 1%	100mV
+3.3v	1.0	30	+5, - 5%	± 1%	60mV
+5vsb	0.1	2	± 5%	± 1%	60mV

5.System Diagnostic

Width	Height	Depth
441(mm)	88(mm)	406(mm)