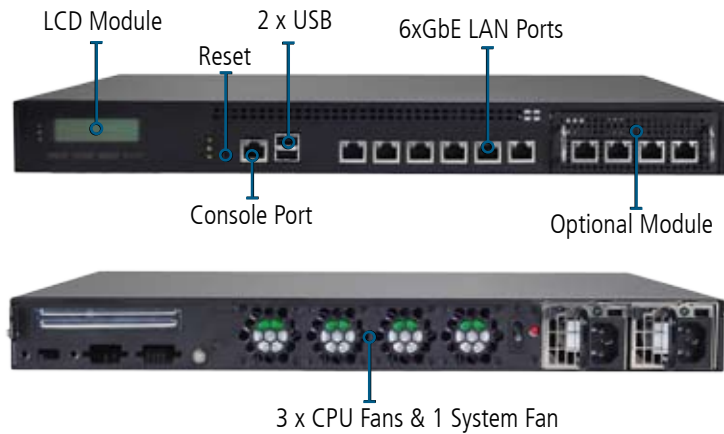# FW-8758

1U Intel Cost-Effective Network Platform with Intel H61 Chipset and Support for Intel Celeron Low Power Processor

LCD Module   2 x USB   6xGbE LAN Ports
Reset
Console Port
Optional Module

3 x CPU Fans & 1 System Fan

Features

Intel® 2nd and 3rd generation Processors support

The FW-8758 is compatible with both 2nd and 3rd* generation Intel® Core™ processors.The 3rd generation Intel Core™ processor is the first 22nm CPU in the market, it delivers increased performance with lower power, also enables multiple capabilities enhancing connectivity,responsiveness and security.
*Older units may require BIOS update.

Intel® Hyper-Threading Technology

The Intel® Hyper-Threading Technology is capable of delivering thread-level parallelism on each processor, resulting in the more efficient use of processor

resources - higher processing throughout.

H61 Chipset

Designed for scalability and cost optimization platforms, the Intel H61 Express Chipset inside the FW-8758 supports up to 8GB of unbuffered, non-ECC DDR3 memory (Dual Channel) and a balanced platform for everyday computing needs.
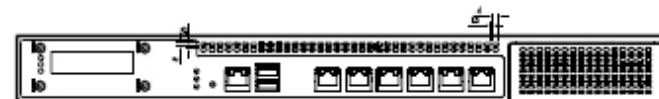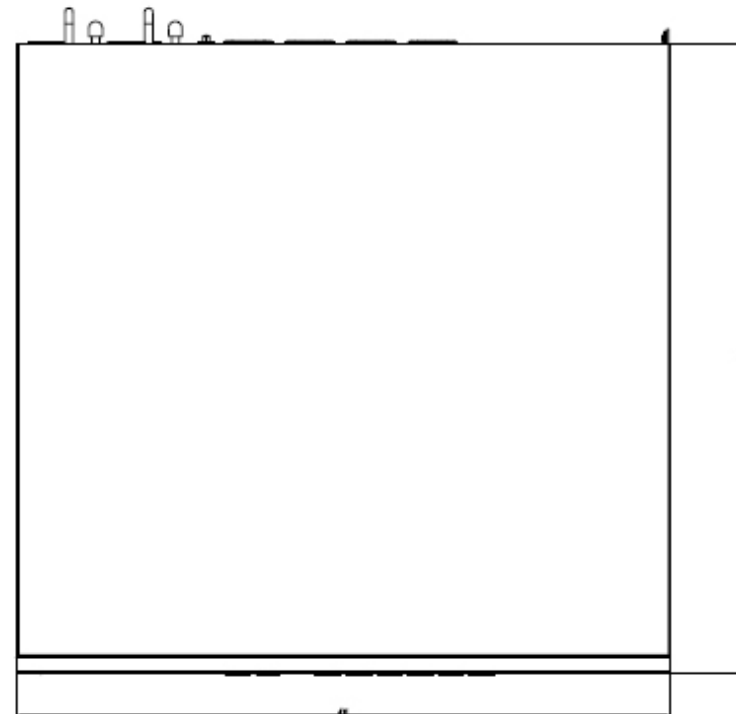
Lanner Generation 3 Bypass

Each pair of bypass ports can be programmed to turn on and off through the BIOS, Generation 3 bypass also allows data packet through when the appliance is powering on and off.

Watchdog

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs. This is an essential feature of a network appliance.

Dimensions: 431 x 44 x 415 mm

Specifications are subject to change without notice

Specifications

Form Factor		Standard 19-inch Rackmount 1U
Platform	Processor Options	2nd generation Intel® Celeron® G540, Pentium® G850, Core™ i3-2120, i5-2400, i7-2600 on LGA1155
		3rd generation Intel® Pentium® G2120, Core i3-3220, i5-3550S, i7-3770 on LGA1155
	Chipset	Intel H61
BIOS		AMI BIOS 8Mbit SPI Flash ROM
System Memory	Technology	Dual-Channel, Unbuffered, Non-ECC DDR3 1066/1333MHz
	Max. Capacity	16GB
	Socket	2 x 240P DIMM
OS Support		Windows 2003, 2008 server, Linux kernel 2.6 and up
Storage	HDD Bays	2 x 2.5" or 1 x 3.5"
	CompactFlash	1 x Type II CompactFlash
Networking	Ethernet Ports	6 x GbE RJ45
	Bypass	3 pairs G3 (FW-8758A & FW-8758C)
	Controllers	6 x Intel 82583V for SKU A,B,C,D, 6 x 82574L for SKU E
	Ethernet Modules	Yes
	Management Port	N/A
	Security Acceleration	N/A
I/O Interface	Reset Button	Software programmable reset button (Through Pinhole)
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	N/A
Expansion	PCIe	1 x PCI-E*8 golden finger for Ethernet module or expansion slot
	PCI	N/A
Cooling	Processor	3 x CPU fans with fan duct
	System	1 x cooling fan
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~95%, non-condensing
Miscellaneous	LCD Module	2 x 20 characters
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 44 x 415 mm
	Weight	8.2kg
Power	Type / Watts	1U ATX 275W Redundant PSU or 1U ATX 220W Single PSU
	Input	AC 100~240V @50~60 Hz
Approvals and Compliance		CE emission, FCC Class A, RoHS

Ordering Information

FW-8758A	MB-7582A + FC-8758 + 220W Single PSU+Riser card, Supports 3 pairs Bypass; CPU up to 95W and 2x CPU FANS, RAM up to 16G
FW-8758B	MB-7582B + FC-8758 + 220W Single PSU, w/o Bypass and Riser card; CPU support up to 95W, 2x CPU FAN, RAM up to 16G
FW-8758C	MB-7582A + FC-8758 + 275W Redundant PSU+ Riser card, Support 3 pairs Bypass, CPU support up to 95W and 2 x CPU FAN, RAM up to 16G
FW-8758D	MB-7582B + FC-8758 + 275W Redundant PSU, w/o Bypass and Riser card; CPU support up to 95W, 2x CPU FAN, RAM up to 16G
FW-8758E	MB-7582A + FC-8758 + 275W Redundant PSU+ Riser card, Support 3 pairs Bypass, Intel 82574L, CPU support up to 95W and 2 x CPU FAN, RAM up to 16G

Optional Power Cords

080W240318301	Power Cord (UK 3P/3P)
080W240318304	Power Cord (AU 3P/3P)
080W240318305	Power Cord (EU 3P/2P)
080W240318306	Power Cord (US 3P/3P)
080W240318307	Power Cord (CN 3P/3P)
080W240318310	Power Cord (IND 3P/3P)

Optional Mounting Brackets

PN9NSFH42Z100	1U STD slide rail

Optional Accessories

0P1W250210205	**Optional Power Module**	DR1V-2250V DC PSU module
RC-87581A	**Riser for PCI-E slot (only support G1 signal)**	
080W2B0801501	**Internal K/M cable 8P/6P KB/Mouse Pitch=2.54 CABLE L=150mm - For Development only**	