FW-7573
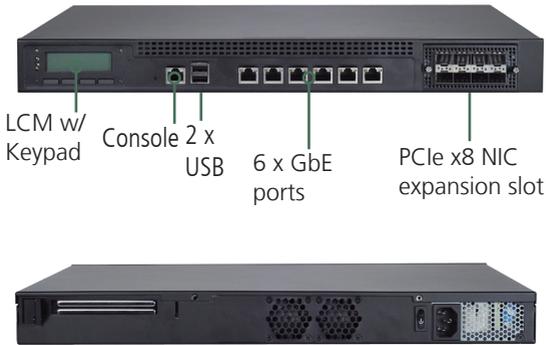
Rackmount x86 Network Security Platform with Intel® Atom™ C2000 Series processor (Codenamed "Rangeley")

LCM w/ Keypad Console 2 x USB 6 x GbE ports PCIe x8 NIC expansion slot

Features

Intel® Atom™ processor C2000 product family (codenamed "Rangeley") Multi-core SoC (System-On-Chip)

Intel® Atom™ processor C2000 product family (codenamed "Rangeley") is a multi-core SoC featuring high levels of I/O integration and an Intel® QuickAssist™ Technology hardware acceleration engine. The platform targeted at entry to mid branch office routers,security appliances, switches, wireless and control plane applications.

1 NIC Expansion slot, maximum up to 14 GbE Ports

The FW-7573 can be fitted with one NIC modules, increasing the number of GbE ports to a total of 14.

Intel's Next Generation Communications Platform & Acceleration Technology

With Intel new Atom C2000 CPU, the FW-7573 can take full advantage of Intel's QuickAssist acceleration technology. Coupled with Intel's next generation CPU, the FW-7573 is capable of meeting the demand for computing power and for accelerating crypto packet processing.

Virtualization Technology (VT-x) Support

Intel virtualization technology (Intel VT) is a hardware-assisted portfolio of capabilities to enhance virtualization. For processors, the Intel VT-x is a bundle of virtualization features built into Intel Xeon processors to improve the flexibility and robustness of software-based virtualization solutions.
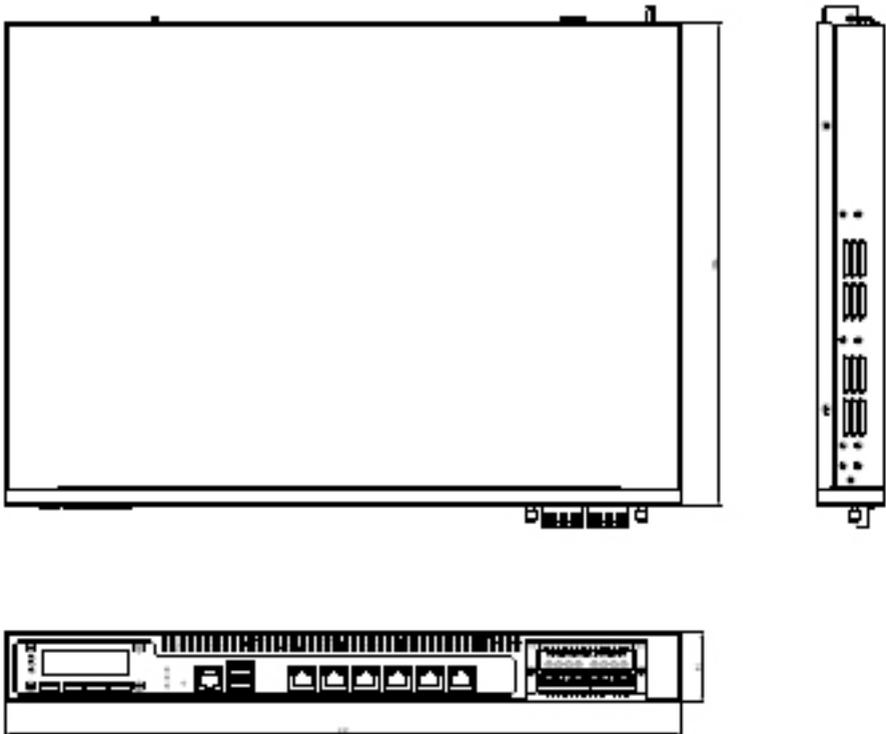
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Watchdog Control LAN Bypass & Power Off LAN Bypass

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs ; bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung. Both are essential features of a network appliance.

ECC Memory Support

The FW-7573 supports Error-Correcting Code (ECC) memory technology, a server-grade memory technology that can identify and correct memory corruption automatically. With ECC, system performance is more secure and stable.

Dimensions (W x H x D): 431 x 44 x 305 mm

Specifications

Form Factor		Rackmount 1U
Platform	Processor Options	Intel® Atom™ processor C2758 (8C) or C2518 (4C), Code-named "Rangeley"
	Chipset	N/A
OS Support		Linux Kernel 2.6 or above
BIOS		AMI BIOS 16Mb
System Memory	Technology	Dual-channel DDR3 1333/1600 MHz, Un-buffered, (ECC or non-ECC), 1.5V
	Max. Capacity	16 GB
	Socket	2 x 240-pin DIMM
Storage	HDD Bays	2 x 2.5" drive bay
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	6 x GbE RJ-45 onboard
	Bypass	3 pairs Gen.3 (SKU A)
	Controllers	2 x Intel i210AT, 1 x Marvell 88E1543
	Front NIC Module slot	1
	Management Port	N/A
I/O Interface	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	N/A
	Display	N/A
Expansion	PCIe at rear	Optional PCIe riser card is needed Cannot co-exist with Front NIC module installation
	PCI	N/A
Cooling	Processor	CPU heatsink
	System	1 x cooling Fan with smart fan control
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~90%, non-condensing / 5~95%, non-condensing
Miscellaneous	LCD Module	2 x 20 LCM with keypad
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 44 x 305 mm
	Weight	4 kg
Power	Type / Watts	150W ATX Power Supply Units
	Input	100~240 V @50~60 Hz
Approvals and Compliance		CE Class A, FCC Class A, UL, RoHS

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Ordering Information

FW-7573A	Intel® Atom™ processor C2758 (8C) (Codenamed "Rangeley"), 6 GbE LAN ports with Gen.3 Bypass, 1 x NIC expansion slot, 150W ATX PSU
FW-7573B	Intel® Atom™ processor C2518 (4C) (Codenamed "Rangeley"), 6 GbE LAN ports without Bypass, 1 x NIC expansion slot, 150W ATX PSU
FW-7573E	Intel® Atom™ processor C2758 (8C) (Codenamed "Rangeley"), 6 GbE LAN ports with Gen.3 Bypass, 1 x NIC expansion slot, 150W ATX PSU, TPM function