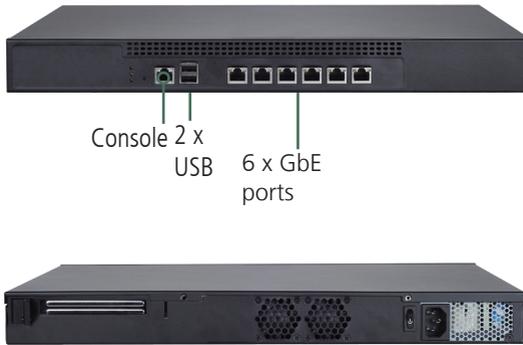# FW-7571

Rackmount x86 Network Security Platform with Intel® Atom™ C2358 processor (Codenamed "Rangeley")

Console 2 x USB   6 x GbE ports

Features

Intel® Atom™ processor C2358 (codenamed "Rangeley") Dual-core SoC (System-On-Chip)

Intel® Atom™ processor C2358 (codenamed "Rangeley") is a dual-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.

Intel's Next Generation Communications Platform & Acceleration Technology

With Intel new Atom C2358 CPU, the FW-7571 can take full advantage of Intel's QuickAssist acceleration technology. Coupled with Intel's next generation CPU, the FW-7571 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 processors to improve the flexibility and robustness of software-based virtualization solutions.
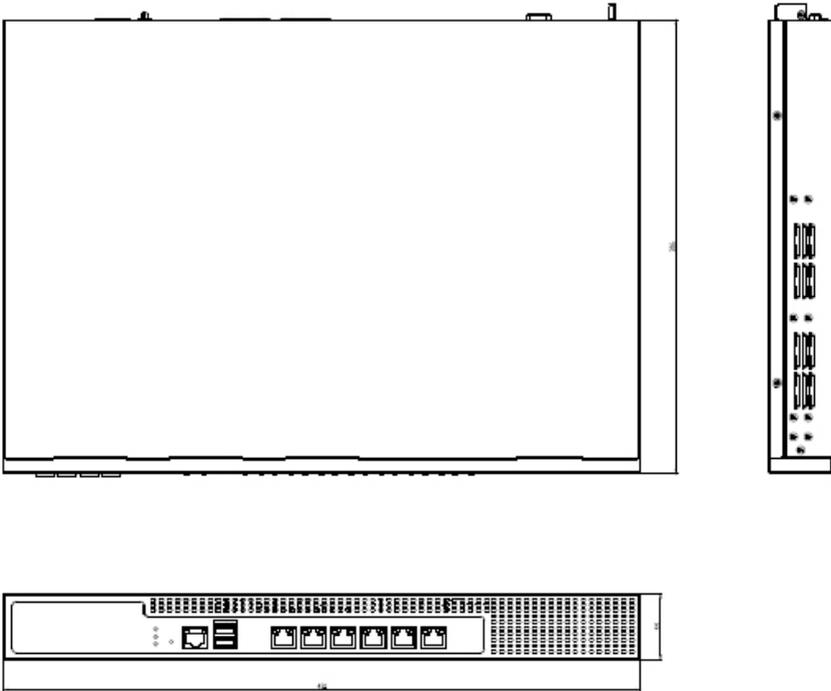
Watchdog Control LAN Bypass & Power Off LAN Bypass

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.

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ECC Memory Support

The FW-7571 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
Platform	Processor Options	2-core Intel® Atom™ processor C2358 (Codenamed "Rangeley")
	Chipset	N/A
OS Support		Linux Kernel 2.6 or above
BIOS		AMI BIOS 16Mb
System Memory	Technology	DDR3 1333 MHz, ECC or non-ECC, 1.5V
	Max. Capacity	8 GB
	Socket	1 x 240-pin DIMM
Storage	HDD Bays	2 x 2.5" drive bays, Optional 3.5" drive bay
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	4 or 6 x GbE RJ-45 onboard
	Bypass	None or 2 pairs Gen.3
	Controllers	2 x Intel i210AT, 1 x Marvell 88E1543
	Ethernet Modules	N/A
	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	Optional PCIe riser card is needed
	PCI	N/A
Cooling	Processor	CPU heatsink
	System	1x 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	N/A
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 44 x 305 mm
	Weight	4 kg
Power	Type / Watts	100 W 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-7571A	Intel® Atom™ processor C2358 (Codenamed "Rangeley"), 6 GbE LAN ports with 2-pair Gen.3 Bypass, 100W ATX PSU
FW-7571B	Intel® Atom™ processor C2358 (Codenamed "Rangeley"), 4 GbE LAN ports without Bypass, 100W ATX PSU

V1.0.2