FW-7551

Desktop x86 Network Security Platform with Intel® Atom® C2000 Processor (Codenamed "Rangeley")

Power Adapter Input

Console

2 x USB

6 x GbE ports

intel inside™ ATOM™
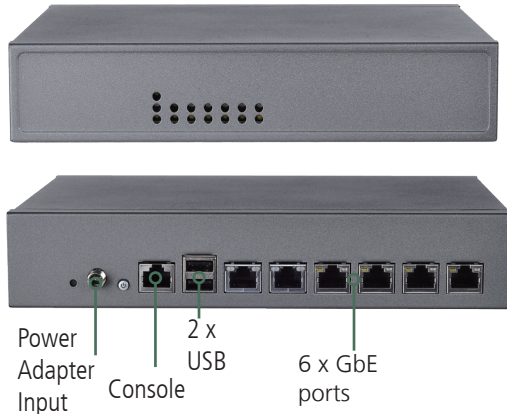
Features

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.

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 Atom C2000 processors to improve the flexibility and robustness of software-based virtualization solutions.

Intel's Next Generation Communications Platform & Acceleration Technology

With Intel new Atom C2000 CPU, the FW-7551 can take full advantage of Intel's QuickAssist acceleration technology. Coupled with Intel's next generation CPU, the FW-7551 is capable of meeting the demand for computing power and for accelerating crypto packet processing.

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-7551 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.

Rack Mounting Kit Option Available

The FW-7551 provides rack mounting option which is a long ear to hook up the rack. This design is ideal for desktop form factor device to place on the rack to save the space in computer room.

Dimensions (W x H x D): 231 x 44 x 200 mm

231

44

200
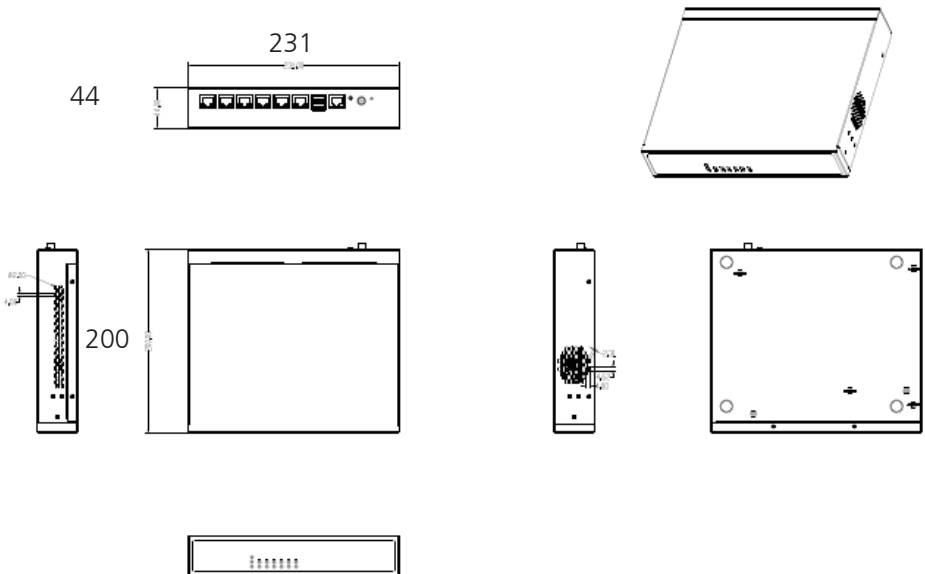
Specifications

Form Factor		Desktop
Platform	Processor Options	Intel® Atom™ SoC CPU C2358(2-core)/ C2518(4-core)/ C2758(8-core)
	Chipset	N/A
OS Support		Linux Kernel 2.6 or above
BIOS		AMI BIOS 16Mb
System Memory	Technology	DDR3 1333/1600 MHz, ECC only
	Max. Capacity	8 or 16 GB
	Socket	1 or 2 x 204-pin SODIMM
Storage	HDD Bays	1 x 2.5" HDD/SSD kit (Optional)
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	4 or 6 x GbE RJ-45 onboard
	Bypass	SKU A/C/D: 2 pairs Gen.2, SKU B: N/A
	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	N/A
	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	N/A
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	231 x 44 x 200 mm
	Weight	1.2 kg
Power	Type / Watts	36W or 60W Power Adapter
	Input	100~240 V @50~60 Hz
Approvals and Compliance		CE Class B, FCC Class B, RoHS

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Ordering Information

FW-7551A	Intel® Atom™ processor C2358 (Codenamed "Rangeley"), 6 GbE LAN ports with Gen.2 Bypass, 36 W power adapter
FW-7551B	Intel® Atom™ processor C2358 (Codenamed "Rangeley"), 4 GbE LAN ports without Bypass, 36 W power adapter
FW-7551C	Intel® Atom™ processor C2518 (Codenamed "Rangeley"), 6 GbE LAN ports with Gen.2 Bypass, 60 W power adapter
FW-7551D	Intel® Atom™ processor C2758 (Codenamed "Rangeley"), 6 GbE LAN ports with Gen.2 Bypass, 60 W power adapter