



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

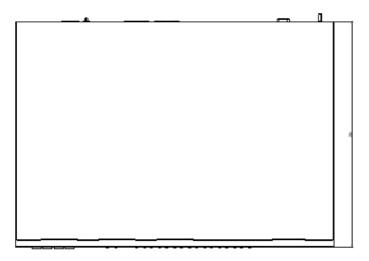
The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs; bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung. Both are essential features of a network appliance.



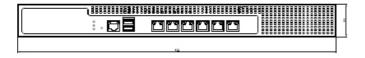
ECC Memory Support

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

Chipset N/A	Form Factor		Rackmount
Discript Controllers Con	Platform	Processor Options	2-core Intel® Atom [™] processor C2358 (Codenamed
BIOS Technology DDR3 1333 MHz, ECC or non-ECC, 1.5V Max. Capacity Socket 1 x 240-pin DIMM HDD Bays CF/SD 1 x CF card Type II Ethernet Ports Anno 2 y a Intel i 210AT, 1 x Marvell 88E1543 Ethernet Modules Management Port N/A Reset Button Console 1 x RJ45 USB 2 x USB 2 x USB 2.0 IPMI via OPMA slot Display N/A PCI PCI N/A PCI PCI N/A Cooling Processor System 1 x cooling Fan with smart fan control Temperature, ambient operating / ambient non-operating / Internal RTC with Li Battery Power Type / Watts Input Type / Watts Input Type / Watts Input Type / Watts Input Towno-ZAO V @50~60 Hz POWEN TEMPOR DIMM RESULT OF TOWNO-ECC, 1.5V S GB S C 2 x 15 GB S C 2 x 15 GB C C or non-ECC, 1.5V S GB S C 2 x 2.5" drive bays, Optional 3.5" drive bay C x 2 x 5 GB C x 4 x 6 x 6 x 6 x 6 x 6 x 6 x 6 x 6 x 6		Chipset	3 , .
Technology DDR3 1333 MHz, ECC or non-ECC, 1.5V	OS Support		Linux Kernel 2.6 or above
System Memory Max. Capacity 8 GB Storage HDD Bays 2 x 2.5" drive bays, Optional 3.5" drive bay CF/SD 1 x CF card Type II 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 Management Port N/A Console 1 x RJ45 USB 2 x USB 2.0 I/O Interface USB 2 x USB 2.0 IPMI via OPMA slot N/A Display N/A PCI Optional PCIe riser card is needed PCI N/A Cooling Yes Expansion CPU heatsink System Tx cooling Fan with smart fan control Temperature, ambient operating / storage Tx cooling Fan with smart fan control Environmental Parameters Type / Walth N/A Miscellaneous Watchdog Yes LCD Module N/A Watchdog Yes Internal RTC with Li Battery Yes Physical Dimensions Dimensions (WxHxD) 4 kg Power Type / Watts 100 W ATX Power Supply Units	BIOS		AMI BIOS 16Mb
Socket 1 x 240-pin DIMM HDD Bays 2 x 2.5" drive bays, Optional 3.5" drive bay CF/SD 1 x CF card Type II 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 Reset Button Yes Console 1 x RJ45 USB 2 x USB 2.0 IPMI via OPMA slot N/A Display N/A PCle Optional PCle riser card is needed PCI N/A Cooling Processor CPU heatsink System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient on-operating Indight (RH), ambient operating / ambient on-operating Indight (RH), ambient operating / storage Humidity (RH), ambient operating / storage ILCD Module N/A Miscellaneous Watchdog Yes Internal RTC with Li Battery Yes Physical Dimensions Weight 4 kg Power Type / Watts 100 w ATX Power Supply Units Input 100 ~ 240 v @50 –60 Hz	System Memory	Technology	DDR3 1333 MHz, ECC or non-ECC, 1.5V
Storage HDD Bays 2 x 2.5" drive bays, Optional 3.5" drive bay CF/SD 1 x CF card Type II Ethernet Ports 4 or 6 x GbE RI-45 onboard Bypass None or 2 pairs Gen.3 Controllers Ethernet Modules N/A Management Port N/A Reset Button Yes Console 1 x RJ45 USB 2 x USB 2.0 IPMI via OPMA slot Display N/A PCIe PCI N/A PCIe PCI N/A PCIe PCI N/A PCIe PCI N/A Timperature, ambient operating Ammaters Parameters Temperature, ambient operating Ambient non-operating Ambient non-operating LCD Module Miscellaneous Physical Dimensions Weight Type / Watts Input Timpe / Watts Input Timpe / Watts Input Timpe / Watts Input Towa Calon Watts A very Correct Calon Watts Towa Calon Watts Towa Calon Watts A very Correct Towa Calon Watts		Max. Capacity	8 GB
CF/SD		Socket	1 x 240-pin DIMM
Ethernet Ports 4 or 6 x GbE RJ-45 onboard	Storage	HDD Bays	2 x 2.5" drive bays, Optional 3.5" drive bay
Bypass None or 2 pairs Gen.3		CF/SD	1 x CF card Type II
Controllers 2 x Intel i210AT, 1 x Marvell 88E1543 Ethernet Modules N/A Management Port N/A Reset Button Yes Console 1 x RJ45 USB 2 x USB 2.0 IPMI via OPMA slot N/A Display N/A Display N/A PCIe Optional PCIe riser card is needed PCI N/A Processor CPU heatsink System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating Ambient non-operating LCD Module N/A Miscellaneous Internal RTC with Li Battery Yes Physical Dimensions Weight 4 kg Power Type / Watts Input 100~240 V @50~60 Hz	Networking	Ethernet Ports	4 or 6 x GbE RJ-45 onboard
Ethernet Modules Management Port Reset Button Console 1 x RJ45 USB 2 x USB 2.0 IPMI via OPMA slot Display N/A PCIe PCI N/A Processor System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating Miscellaneous Miscellaneous Physical Dimensions Power Ethernet Module N/A N/A N/A N/A N/A N/A N/A N/A		Bypass	None or 2 pairs Gen.3
Management Port N/A		Controllers	2 x Intel i210AT, 1 x Marvell 88E1543
Reset Button Console 1 x RJ45 USB 2 x USB 2.0 IPMI via OPMA slot Display N/A PCIe PCI N/A Cooling Processor System Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating / ambient non-operating LCD Module Miscellaneous Physical Dimensions Weight Power Reset Button Yes 1 x RJ45 2 x USB 2.0 1 x RJ46 1 x RJ46 1 x RJ45 2 x USB 2.0 1 x RJ46 2 x USB 2.0 1 x RJ46 1 x RJ46		Ethernet Modules	N/A
Console		Management Port	N/A
I/O Interface USB 2 x USB 2.0 IPMI via OPMA slot N/A Display N/A PCIe Optional PCIe riser card is needed PCI N/A Cooling Processor CPU heatsink System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating Ambient non-operating N/A Miscellaneous Watchdog Yes Internal RTC with Li Battery Yes Physical Dimensions (WxHxD) 431 x 44 x 305 mm Dimensions Type / Watts 100 W ATX Power Supply Units Input 100~240 V @50~60 Hz	I/O Interface	Reset Button	Yes
IPMI via OPMA slot N/A Display N/A PCIe Optional PCIe riser card is needed PCI N/A Cooling Processor CPU heatsink System 1x cooling Fan with smart fan control Impure a very simple a very		Console	1 x RJ45
Display N/A PCIe PCI N/A Cooling Processor CPU heatsink System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating / ambient non-operating / ambient N/A Miscellaneous Miscellaneous Physical Dimensions Power Display N/A N/A N/A N/A N/A N/A N/A N/		USB	2 x USB 2.0
PCI N/A Cooling Processor System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating ICD Module Watchdog Internal RTC with Li Battery Physical Dimensions Power Power Policy Watts Down ATX Power Supply Units Policy Policy		IPMI via OPMA slot	N/A
PCI N/A Cooling Processor CPU heatsink System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating LCD Module N/A Miscellaneous Physical Dimensions Weight Type / Watts Input N/A N/A N/A A31 x 44 x 305 mm Dimensions Power Type / Watts Input N/A 100 W ATX Power Supply Units Input N/A 100~240 V @50~60 Hz		Display	N/A
PCI N/A Processor System 1x cooling Fan with smart fan control Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating LCD Module N/A Miscellaneous Watchdog Internal RTC with Li Battery Physical Dimensions Weight Type / Watts Input N/A N/A 0 ~ 40° C / -20~70° C 5~90%, non-condensing / 5~95%, non-condensing N/A Yes 1x ves 4 ves 1x ves	Expansion	PCle	Optional PCIe riser card is needed
System 1x cooling Fan with smart fan control		PCI	N/A
Temperature, ambient operating / storage Humidity (RH), ambient operating / ambient non-operating / ambient non-operating / ambient non-operating Temperature, ambient operating / storage Humidity (RH), ambient operating 5~90%, non-condensing / 5~95%, non-condensing	Cooling	Processor	CPU heatsink
Environmental Parameters Astorage		System	1x cooling Fan with smart fan control
/ ambient non-operating		/ storage	0 ~ 40° C / -20~70° C
Miscellaneous 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		/ ambient non-operating	
Internal RTC with Li Battery Yes	Miscellaneous	LCD Module	N/A
Physical Dimensions (WxHxD) 431 x 44 x 305 mm Veight 4 kg Power Type / Watts 100 W ATX Power Supply Units Input 100~240 V @50~60 Hz		Watchdog	Yes
Dimensions Weight 4 kg Power Type / Watts 100 W ATX Power Supply Units Input 100~240 V @50~60 Hz		Internal RTC with Li Battery	Yes
Power Type / Watts 100 W ATX Power Supply Units Input 100~240 V @50~60 Hz	Physical	Dimensions (WxHxD)	431 x 44 x 305 mm
Power Input 100~240 V @50~60 Hz	Dimensions	Weight	4 kg
Input 100~240 V @50~60 Hz	Power	Type / Watts	100 W ATX Power Supply Units
Approvals and Compliance		Input	100~240 V @50~60 Hz
Approvais and Compitance CE class A, FCC class A, UL, ROHS	Approvals and Cor	mpliance	CE Class A, FCC Class A, UL, RoHS



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	