

FWS-2370 PRELIMINARY

Network Appliance with Intel® Parker/Snow Ridge SoC Processor

Launching in Q1

Features

- Intel® Atom C5300/P5300 series
- Onboard eMMC 32GB, up to 128GB
- DDR4 SODIMM socket x 2, up to ECC/Non-ECC 64GB
- Intel®i226-V 2.5G x 4, 1G Marvell 88E1543 x 4, native 10G SFP+ x 4
- M.2 E Key 2230 for Wifi co-lay Mini-card slot x 1(Half-size, PCIe)
- M.2 B key 3042/3052 for 5G/LTE co-lay Mini-card slotwith push-pin SIM slot x 1(Full-size, PCIe + USB3.0+USB2.0)
- M.2 B key 3042/3052 for 5G/LTE co-lay Mini-card slot with push-pin SIM slot x 1 (Full-size, USB3.0+USB2.0)
- [x4] PCIe connector slot (PCIe [x1] x 2) for 2 x 2.5Gbe i226V module (optional with PoE/PoE+)
- TPM Supported (Optional)



Environmental Parameters and Dimension

Power Consumption	Dual in 12V 60W Adapter (w/o POE) Dual in 12V 90W Adapter (w/ POE)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	10%~80% relative humidity, non-condensing
Storage Humidity	10%~80% @40°C; non-condensing
Vibration	0.5 Grms/ 5 ~ 500Hz / operation (mSATA) 1.5 Grms/ 5 ~ 500Hz / non-operation
Shock	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), non-operation
Dimension (W x D x H)	260mm x 178mm x 44mm
I/O	
Front Panel	Optional type c console x 1 Micro SIM socket x 2 Main board LAN LED x 24 Optional module LAN LED via cable x 4 Bypass LED x 2 Storage LED x 1 Status LED x 1 Power LED x 2 Antenna hole x 3
Rear Panel	DC Power Input Connector Lockable x 2 RJ45 console x 1 USB 3.0 Port x 2 Power LED x 2 10G SFP+ x 4 1G Marvell RJ45 Port x 4 2.5G RJ45 Port x 4 SW reset button x1 Power button x 1 Antenna hole x 4 Optional 2.5G LAN module x 2 (optional with POE af/at)

Packing List

- Power Adapter x 1
- FWS-2370

Optional Accessories

- **1700091805**
Console Cable
- **1702031802**
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP22/
YP12
- **170203180B**
Power Cord, 3P-250V/10A, 180D, 1.8M, China, YP-03/
YC-12
- **170203180E**
Power Cord, 3P-125V/7A, 1.8M, PSE, YP12/YC-12

Specifications

System	
Form Factor	Desktop Network Appliance
Processor	Intel® Atom C5300/P5300 series (Default C5315)
Chipset	SoC
System Memory	DDR4 SODIMM socket x 2, up to ECC/Non-ECC 64GB
Network	
Ethernet	2.5GbE i226V x 4 1GbE Marvell 88E1543 x 4 native 4 x 10G SFP+ x 4
Bypass	2 Pair
Display	
Graphics Controller	—
Connector	—
Storage	
HDD	Default 2 x SATAIII for 2.5" HDD/SSD (1 x SATAIII colay 1 x M.2 2242 M key SATAIII for SSD)
CF/CFast/mSATA	Default eMMC 32GB, support up to 128GB
Internal/ Expansion Interface	
PCIe Slot	—
Mini-PCIe Slot	M.2 E Key 2230 colay Mini-card (Half-size, PCIe) for Wifi M.2 B key 3042/3052 colay Mini-card slotwith push-pin SIM slot x 1(Full-size, PCIe + USB3.0+USB2.0) for 5G/LTE M.2 B key 3042/3052 colay Mini-card slot with push-pin SIM slot x 1 (Full-size, USB3.0+USB2.0) for 5G/LTE [x4] PCIe connector slot (PCIe [x1] x 2) for 2 x 2.5GbE i226V module (optional with PoE/PoE+)
Keyboard and Mouse	—
USB	USB 3.0 x 2 (2 Port only support USB2.0 signal if plug POE module)
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	Optional Nuvoton NPCT760AABYX colay Infineon SLB 9672VU2.0 FW15.21
GPIO	(4 bits input, 4bits output optional)
Fan	Default 1 x smart Fan, reserve 1 internal smart fan pin header
MTBF (Hours)	TBD
Color	Black

Ordering Information

Part Number	CPU	Memory	Bypass	Mini-Card Slot	Storage	LAN	USB	Console	System Fan	TPM	Mounting	Power
FWS-2370	C5315	DDR4 SODIMM socket x 2	2 pairs	M.2 colay Mini-card slot x 3 ; [x4] PCIe connector slot x 1 (PCIe [x1] x 2)	SATA port x 2 eMMC 32GB	4x 2.5GbE i226V, 4 x 1GbE Marvell 88E1543, 4 x native 10G SFP+	USB 3.0 x 2	Console x 1	Fan x1	Optional	Desktop	DC