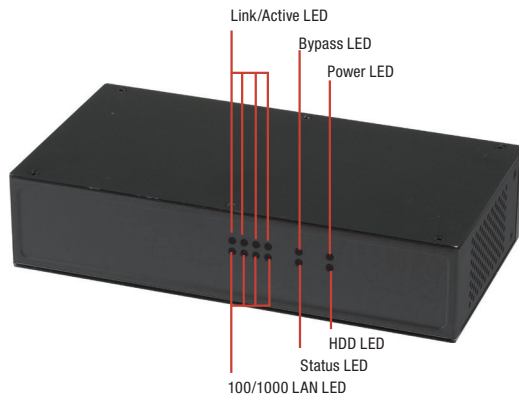
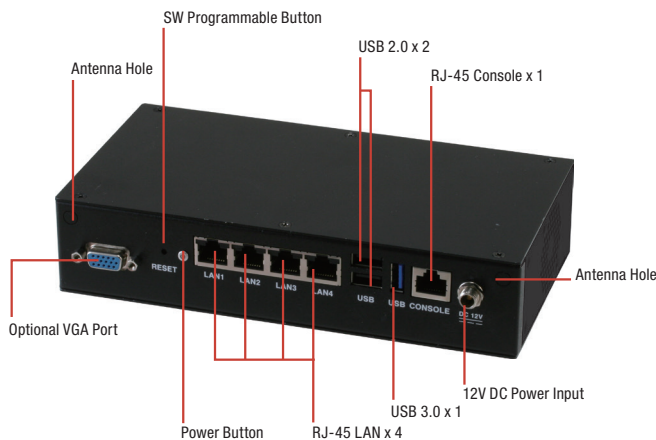


Desktop 4 LAN Ports Network Appliance with Intel® Celeron® J1900 Processor

Front View



Rear View



Specifications

System	
Form Factor	Desktop 4-Port Network Appliance
Processor	Intel® Celeron® J1900 2.0 GHz (Quad Core)
Chipset	—
System Memory	204-pin dual-channel DDR3L 1333MHz SODIMM x 2, up to 8GB
Network	
Ethernet	Intel® i211, Gigabit Ethernet x 4
Bypass	Supports 1 pair bypass function
Display	
Graphic Controller	Intel® HD Graphics
Connector	Reserved internal VGA pin-header x 1
Storage	
HDDs	2.5" HDD Bay x 1
CF/CFast/mSATA	CF socket x 1

Features

- Intel® Celeron® J1900 Processor
- 204-pin Dual-channel DDR3L 1333MHz SODIMM x 2, Up to 8 GB
- 10/100/1000Base-TX Ethernet Port x 4
- 2.5" HDD Bay x 1
- CompactFlash™ socket x 1
- Mini-Card Slot x 1
- RJ-45 Console x 1, USB 3.0 x 1, USB 2.0 x 2



Internal/ Expansion Interface

PCIe slot	—
Mini-PCIe slot	Mini-Card Slot x 1 (Half size)
Keyboard and Mouse	Pin-header
USB	USB 2.0 x 2, USB 3.0 x 1
Miscellaneous	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	—
GPIO	—
FAN	System fan x 1
MTBF (Hours)	116,331
Color	Black

Environmental Parameters and Dimension

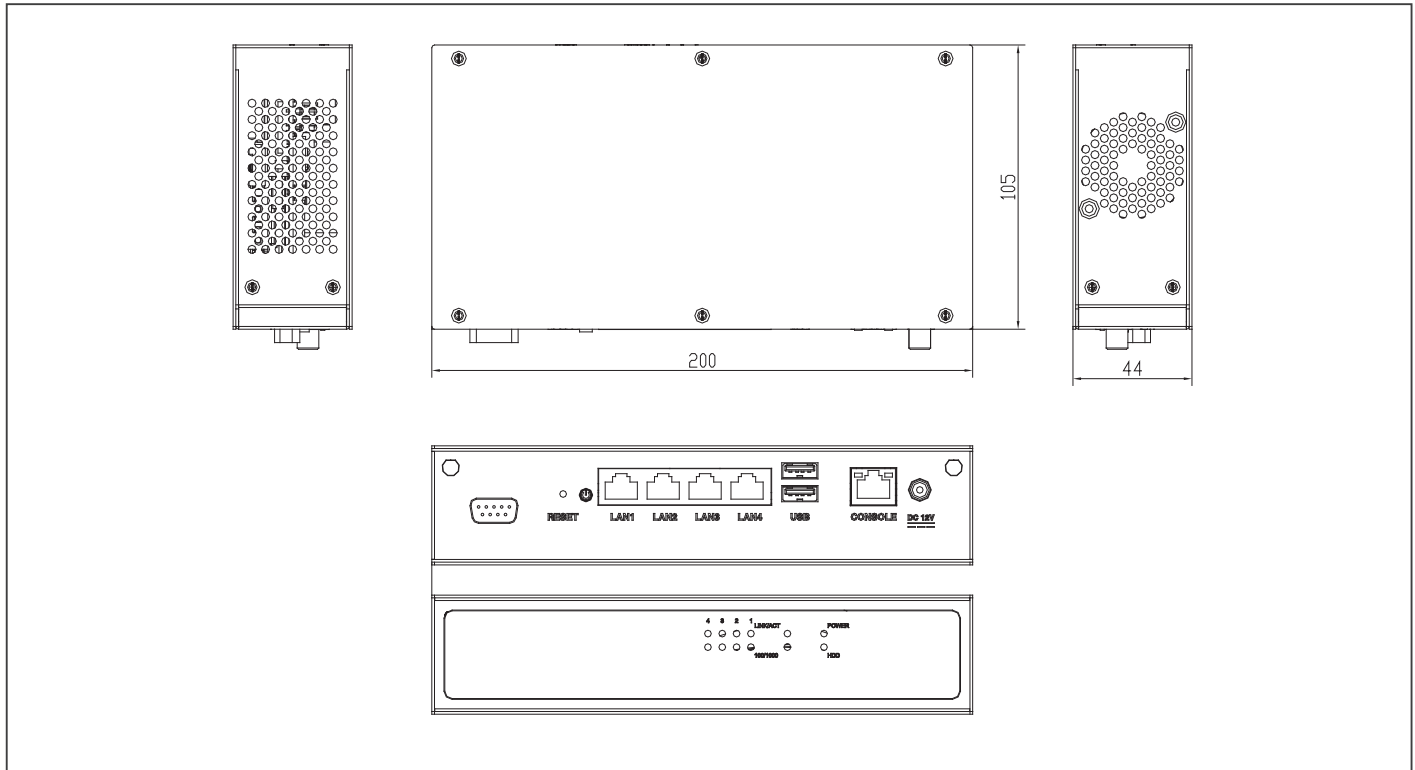
Power Requirement	12V DC power in connector/ 40W Power adapter x 1 4-pin DC power out connector for HDD x 1
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	10%~80% relative humidity, non-condensing
Storage Humidity	10%~80% @40°C, non-condensing
Vibration	0.5 Grms/ 5 ~ 500Hz/ operation (2.5" HDD) 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)	7.87" x 4.09" x 1.73" (200mm x 104mm x 44mm)

I/O

Front Panel	- Bypass LED x 1 - Power LED x 1 - Status LED x 1 - HDD Active LED x 1 - LAN LED x 8
Rear Panel	- 12V DC Power Input x 1 - Power Button x 1 - USB 3.0 x 1 - USB 2.0 x 2 - RJ-45 LAN x 4 - RJ-45 Console x 1 - Software Programmable Button x 1 - VGA Port x 1 (Optional)

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Bypass	Mini-Card Slot	Storage	LAN	USB	Console	System Fan	TPM	Display	Mounting	Power
FWS-2252E4-A10-A10-00	Intel® Celeron® J1900	DDR3L, SODIMM Dual-Channel	1 Pair	1 half size	2.5" HDD Bay x 1 CompactFlash™ socket x 1	4	USB 2.0 x 2 USB 3.0 x 1	RJ-45 x 1	1	—	—	Desktop	DC

Packing List

- SATA Cable
- SATA Power Cable
- Power Adapter
- FWS-2252

Optional Accessories

- **1700091805**
Console Cable
- **1702031802**
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP22/YP12
- **1702031803**
Power Cord, 3P-250V/10A, 180D, 1.8M, VDE, 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
- **1704150154**
VGA Cable for Debug Only