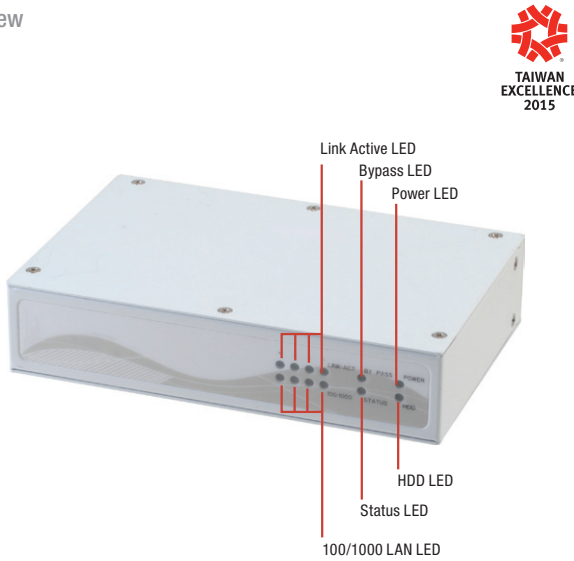
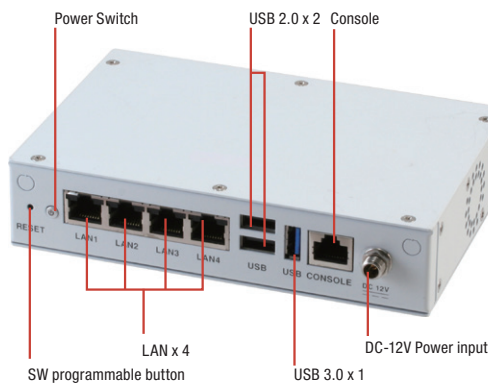


## Desktop 4 LAN Ports Network Appliance with Intel® Atom™ E3815/E3827/Celeron® J1900 Processor SoC

Front View



Rear View



## Specifications

Platform	
Form Factor	Desktop 4-Port Network Appliance
Processor	Intel® Atom™ E3815 1.46 GHz (Single Core) Intel® Atom™ E3827 1.75 GHz (Dual Core) Intel® Celeron® J1900 2.0 GHz (Quad Core)
Chipset	—
System Memory	204-pin Dual channel DDR3L 1333/1600MHz SODIMM x 2, up to 8GB (E3815 Single Channel)
Network	
Ethernet	Intel® i211, Gigabit Ethernet x 4
Bypass	Supports 1 pair bypass function
Display	
Graphic Controller	Intel® HD Graphics
Connector	Reserve internal VGA pin header x 1

## Features

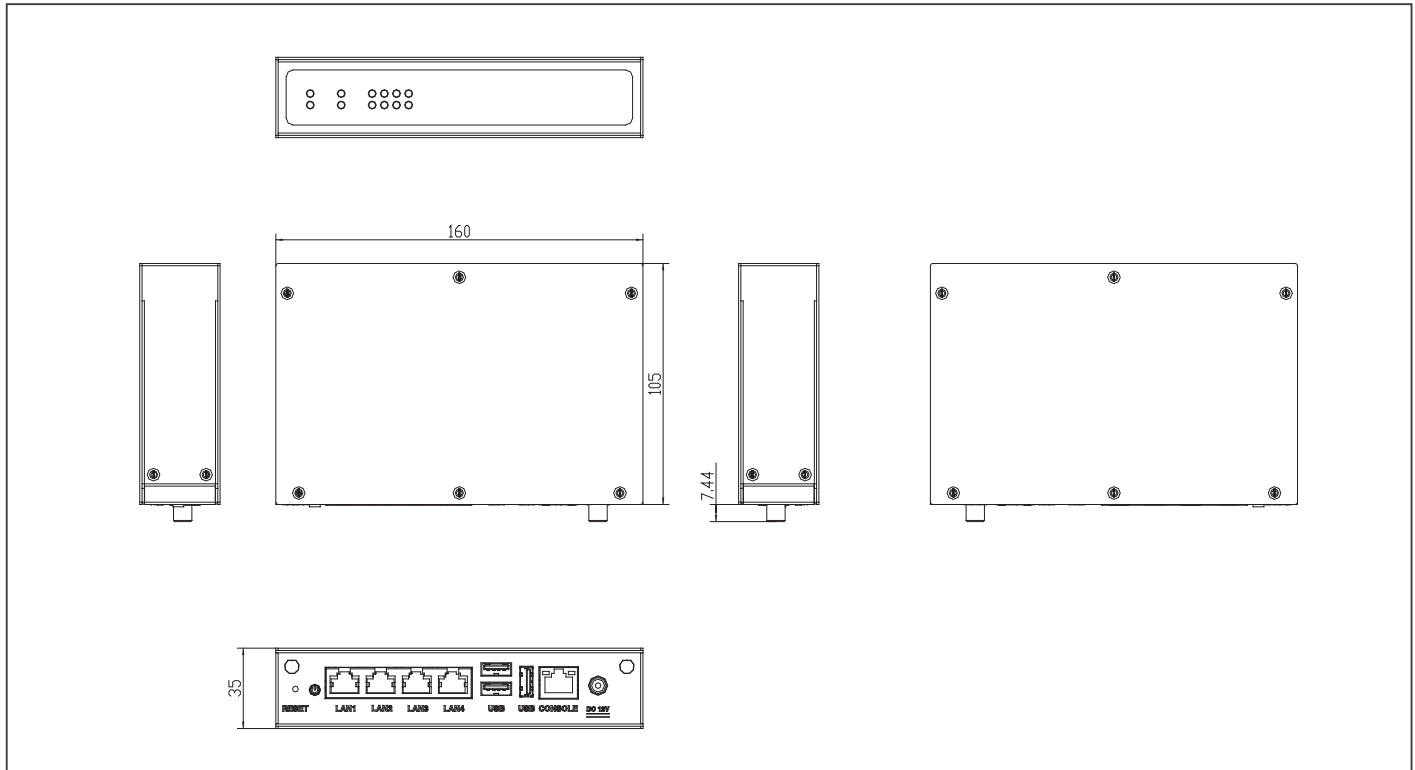
- 4 LAN Ports Network Appliance
- Onboard Intel® Atom™ E3815/E3827/Celeron® J1900 Processor SoC
- 204-pin DDR3L 1066/1333 MHz SODIMM up to 2 Slots, up to 8 GB
- 10/100/1000Base-TX Ethernet x 4 (up to 1 Pair Bypass)
- CompactFlash™ Socket x 1
- RJ-45 Console x 1, USB 2.0 x 2, USB 3.0 x 1
- DC 12V Power Input Requirement
- Mini-Card Socket x 1



Storage	
HDDs	Optional SATA II connector x 1
CF/CFast/mSATA	CF socket x 1
Expansion/Internal Interface	
PCIe slot	—
Mini-PCIe slot	Mini-Card slot x 1 (Half size)
Keyboard and Mouse	Pin-header
Universal Serial Bus	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	Fan/Fanless refers to order information
MTBF (Hours)	90,630
Color	White
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
Operation Temp.	32°F ~ 104°F (0°C ~ 40°C)
Storage Temp.	-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 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
Chassis Dimension (W x D x H)	6.3" x 4.09" x 1.38" (160mm x 104mm x 35mm)
I/O Interfaces	
Front Panel	- Power LED x 1 - Status LED x 1 - HDD Active LED x 1 - Bypass LED x 1 (Optional) - 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

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	DDR3L SODIMM Slot	System Fan	Bypass	Mini-Card Socket	Storage	Display	LAN	USB	Console	Mounting	Power
FWS-2250E4-A10-A10-00	Intel® Atom™ E3815	DDR3L, SODIMM	1 Channel Only	Fanless	—	—	CompactFlash™ Socket x 1	VGA (Pin Header)	GbE x 4	USB 2.0 x 2, USB 3.0 x 1	RJ-45 x 1	Desktop	DC
FWS-2250E4-A10-A10-10	Intel® Atom™ E3827	DDR3L, SODIMM	2 Channels	Fanless	1 pair	1	CompactFlash™ Socket x 1	VGA (Pin Header)	GbE x 4	USB 2.0 x 2, USB 3.0 x 1	RJ-45 x 1	Desktop	DC
FWS-2250E4-A10-A10-30	Intel® Celeron® J1900	DDR3L, SODIMM	2 Channels	1	1 pair	1	CompactFlash™ Socket x 1	VGA (Pin Header)	GbE x 4	USB 2.0 x 2, USB 3.0 x 1	RJ-45 x 1	Desktop	DC

## Packing List

- Power Adapter
- FWS-2250

## 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