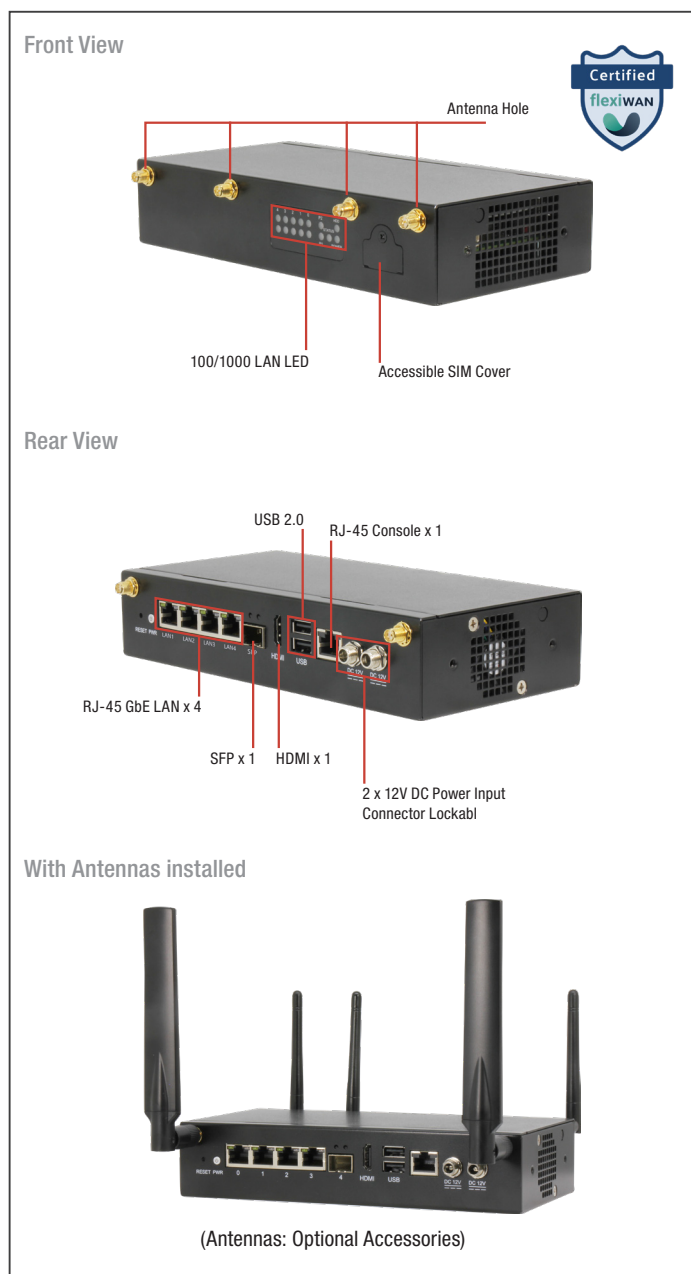


# FWS-2280

Desktop Network Appliance with Intel® Celeron® Processor J Series/Intel® Pentium® Processor N Series/Intel Atom® Processor X Series



## Features

- Intel® Celeron® Processor J Series/Intel® Pentium® Processor N Series/Intel Atom® Processor X Series, 2~4 cores
- DDR4 3200MHz SODIMM x 1, up to 32GB
- Intel® Ethernet Controller I211 GbE x 4, Intel® Ethernet Controller I210 SFP x 1
- Mini Card (Full-size with SIM socket) x 1
- Mini Card Half-size Slot x 1
- M.2 3052 B-Key (with SIM Socket) x 1 (Optional)
- Redundant power support



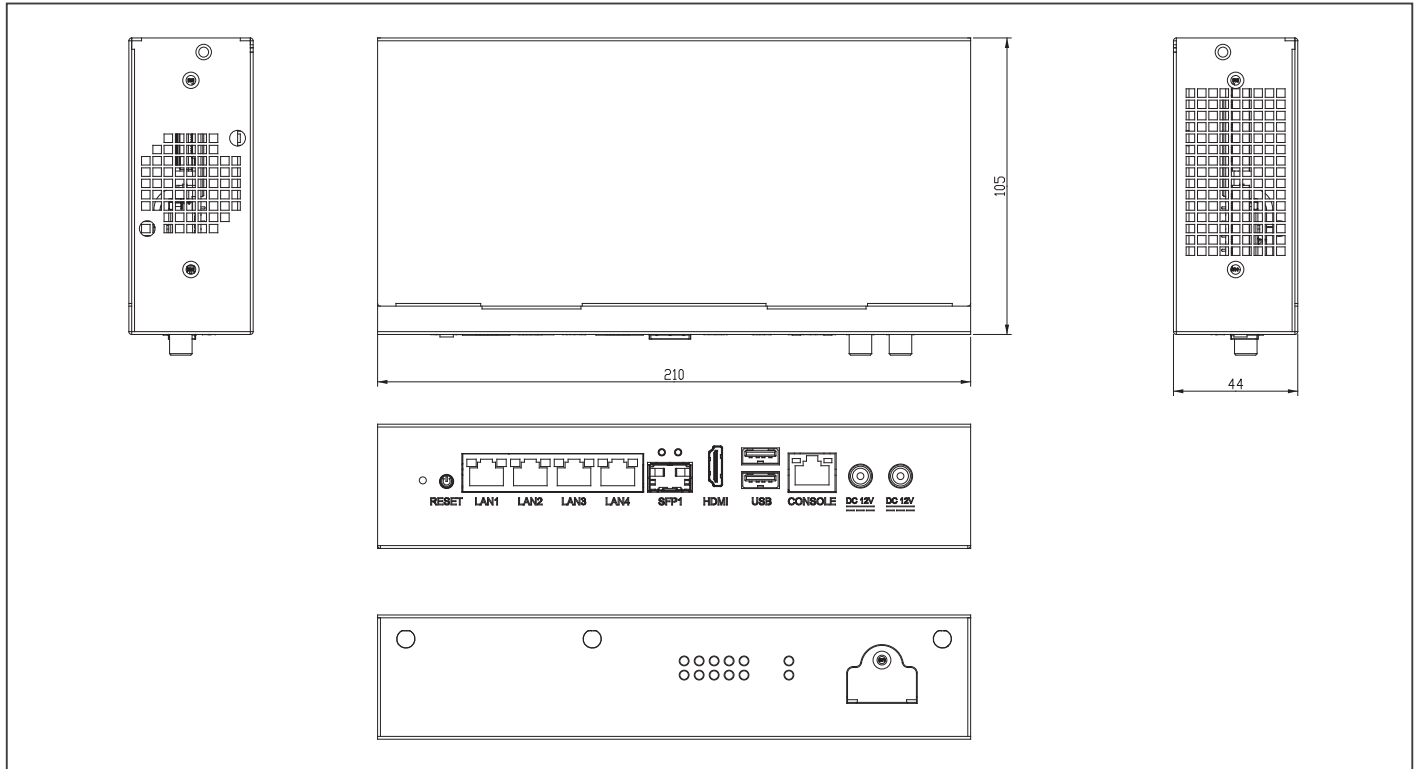
CF/CFast/MSATA	mSATA slot x 1 SATA III port x 1
<b>Internal/ Expansion Interface</b>	
PCIe Slot	—
Mini-PCIe Slot	Mini Card Socket (PCIe + USB 2.0, full size) with SIM x1 Mini Card Socket (PCIe, half size) x1 M.2 B key 3052 (USB 3.0, full size) with SIM x1(Optional)
Keyboard and Mouse	—
USB	USB 2.0 Type A x 2
<b>Miscellaneous</b>	
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable
Software Button	GPIO Programmable push button x 1
TPM	(TPM SLB9670 VQ2.0 FW7.85 Optional)
GPIO	(4 bits input, 4bits output optional)
Fan	Smart fan x 1
MTBF (Hours)	TBD
Color	Black
<b>Environmental Parameters and Dimension</b>	
Power Requirement	2 x 12V DC Power Input Connector Lockable, 40W power adapter
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)	8.27" x 4.09" x 1.73" (210mm x 105mm x 44mm)
<b>I/O</b>	
Front Panel	3 x LEDs (Power, Status, Storage) 1 x Micro-SIM 2 x Antenna Hole
Rear Panel	2 x DC Power Input Connector Lockable 1 x Power Button 2 x USB2.0 Ports 4 x 1GbE RJ45 Ports,1 SFP 1 x RJ-45 console 1 x Reset Button 3 x Antenna Hole

## Specifications

<b>System</b>	
Form Factor	Desktop Network Appliance
Processor	Intel® Celeron® Processor J Series/Intel® Pentium® Processor N Series/Intel Atom® Processor X Series
Chipset	SoC
System Memory	260-pin DDR4 SO-DIMM x 1, 3200MT/s
<b>Network</b>	
Ethernet	Intel® Ethernet Controller I211 GbE x 4 Intel® Ethernet Controller I210 SFP x 1
Bypass	—
<b>Display</b>	
Graphic Controller	Intel® UHD Graphics
Connector	HDMI x 1
<b>Storage</b>	
HDD	—

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Bypass	Mini-Card Slot	Storage	LAN	USB	Console	System Fan	TPM	Display	Mounting	Power
FWS-2280-E5-A10-000	Intel® Celeron® J6412	DDR4 3200 SODIMM socket x 1	—	Mini Card Socket (PCIe +USB) x1(Full size) Mini Card Socket (PCIe) x1 (Half size)	SATA III Port x 1	4 x 1Gb RJ-45 1 x 1Gb SFP	USB2.0 TypeA	RJ-45 x 1	Smart fan x 1	—	1 x HDMI	Desktop	DC 12V Power adapter x1

## Packing List

- Power Adapter x 1
- 2.5" SSD Bay x 1
- FWS-2280

## Optional Accessories

- **1700091805**  
Console Cable
- **1702031802**  
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP12/YC-12
- **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