

# FWS-2272

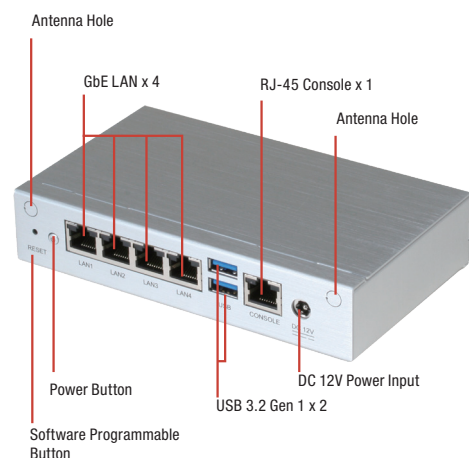
Desktop 4 LAN Ports Network Appliance with Intel® Celeron® N3350 Processor SoC



Front View



Rear View



## Features

- Intel® Celeron® N3350 Processor SoC
- Onboard LPDDR4, 2GB, Optional DDR3L 1866MHz Single-Channel SODIMM x 1 (Max 8GB, up to 1600MHz)
- 10/100/1000Base-TX x 4
- Onboard 8GB eMMC, SATA 6.0 Gb/s Port x 1
- Mini-Card Slot (with SIM Socket) x 1
- RJ-45 Console x 1, USB 3.2 Gen 1 x 2



| Internal/ Expansion Interface          |                                                                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PCIe Slot                              | —                                                                                                                                                            |
| Mini-PCIe Slot                         | Mini-Card socket (full-size) with SIM socket x 1                                                                                                             |
| Keyboard and Mouse                     | —                                                                                                                                                            |
| USB                                    | USB 3.2 Gen 1 x 2                                                                                                                                            |
| Miscellaneous                          |                                                                                                                                                              |
| RTC                                    | Internal RTC                                                                                                                                                 |
| Watchdog Timer                         | 1~255 steps by software programmable                                                                                                                         |
| Software Button                        | —                                                                                                                                                            |
| TPM                                    | (TPM v1.2 9660/TPM2.0 9665 Optional)                                                                                                                         |
| GPIO                                   | Reserved internal pin-header 8-bit Digital I/O interface (4-in /4-out)                                                                                       |
| Fan                                    | Fanless                                                                                                                                                      |
| MTBF (Hours)                           | 162,469                                                                                                                                                      |
| Color                                  | Silver                                                                                                                                                       |
| Environmental Parameters and Dimension |                                                                                                                                                              |
| Power Requirement                      | 12V DC Power in connector                                                                                                                                    |
| 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 (SATA DOM)<br>1.5 Grms/ 5 ~ 500Hz / non operation                                                                            |
| Shock                                  | 10 G peak acceleration (11 m sec. duration), operation<br>20 G peak acceleration (11 m sec. duration), non operation                                         |
| Dimension (W x D x H)                  | 6.1" x 3.62" x 1.26" (155mm x 92mm x 32mm)                                                                                                                   |
| I/O                                    |                                                                                                                                                              |
| Front Panel                            | Power LED x 1<br>Status LED x 1<br>Storage Active LED x 1<br>LAN LED x 8                                                                                     |
| Rear Panel                             | USB 3.2 Gen 1 Port x 2<br>RJ-45 Port x 4<br>RJ-45 Console x 1<br>12V DC Power Input x 1<br>Software Reset Button x 1<br>Power Button x 1<br>Antenna Hole x 2 |

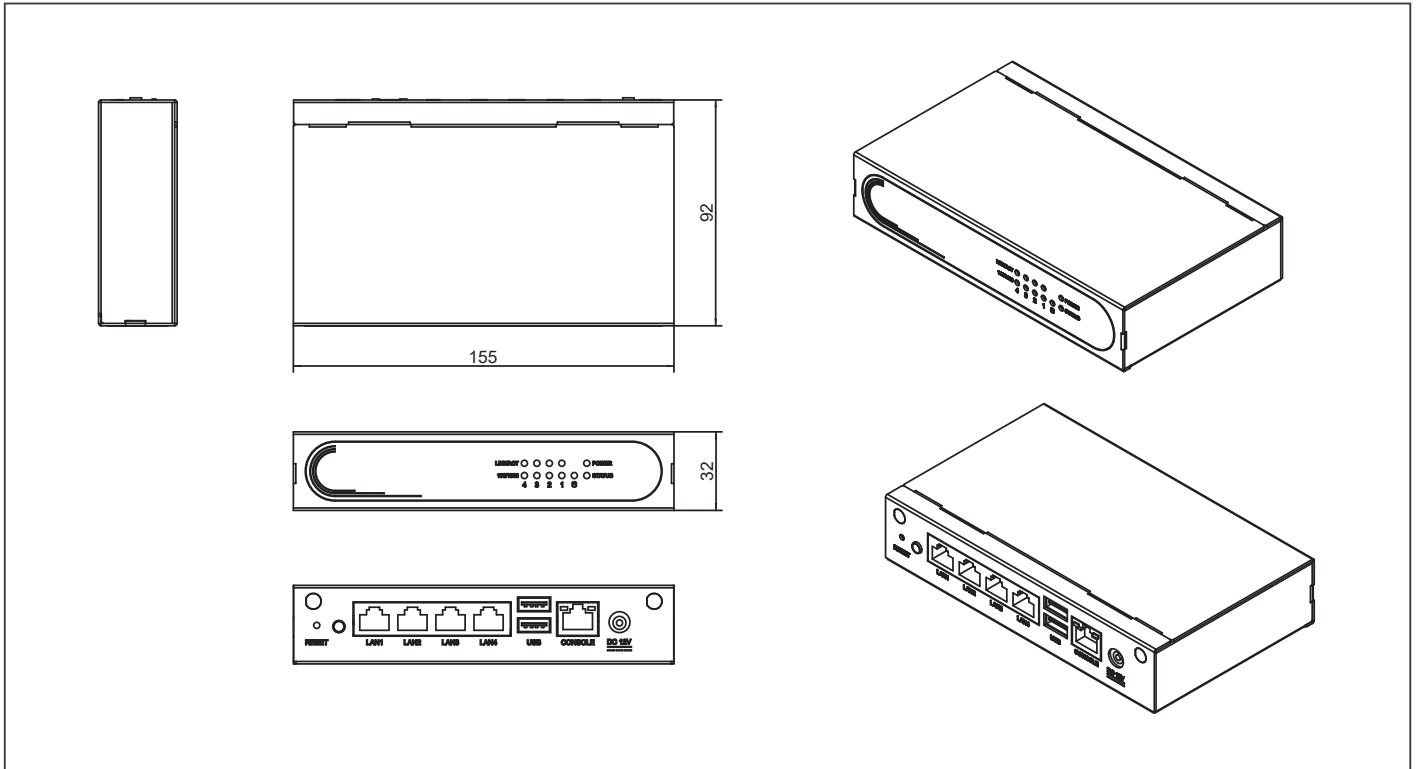
## Specifications

| System             |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Form Factor        | Desktop Network Appliance                                                                      |
| Processor          | Intel® Celeron® N3350 Processor                                                                |
| Chipset            | Intel® Celeron® N3350 Processor                                                                |
| System Memory      | Onboard LPDDR4, 2GB, Optional DDR3L 1866MHz Single-Channel SODIMM x 1 (Max 8GB, up to 1600MHz) |
| Network            |                                                                                                |
| Ethernet           | Intel® Ethernet Controller I210, GbE x 4                                                       |
| Bypass             | —                                                                                              |
| Display            |                                                                                                |
| Graphic Controller | Intel® HD Graphics 505 Integrated                                                              |
| Connector          | —                                                                                              |
| Storage            |                                                                                                |
| HDD                | —                                                                                              |
| CF/CFast/MSATA     | Onboard 8GB eMMC<br>SATA 6.0 Gb/s port x 1, for SATA DOM                                       |



## Dimension

Unit: mm



## Ordering Information

| Part Number           | CPU                   | Memory             | Bypass | Mini-Card Slot                       | Storage                                  | LAN                                      | USB               | Console   | System Fan | TPM | Display | Mounting | Power |
|-----------------------|-----------------------|--------------------|--------|--------------------------------------|------------------------------------------|------------------------------------------|-------------------|-----------|------------|-----|---------|----------|-------|
| FWS-2272E4-A10-A10-01 | Intel® Celeron® N3350 | Onboard 1GB LPDDR4 | —      | Full Size (USB Only)+ SIM socket x 1 | Onboard 8GB eMMC, SATA 6.0 Gb/s Port x 1 | Intel® Ethernet Controller I210, GbE x 4 | USB 3.2 Gen 1 x 2 | RJ-45 x 1 | Fanless    | —   | —       | Desktop  | DC    |

## Packing List

- Power Adapter
- FWS-2272

## Optional Accessories

- 1700091805  
Console Cable
- 1702021832  
Power Cord, 2P/2P, 1.8M, USA
- 1702021836  
Power Cord, 2P/2P, 1.8M, EU