

FWA-3270

1U Rackmount Network Appliance with Intel® Xeon® Processor E3 series and 6th gen. Intel® Core™ i7/ i5/ i3 Processor, up to 4 NMC slots



Features

- Intel® Xeon® E3-1275 /E3-1225/E3-1268L V5 (FWA-3270A only) and 6th generation Intel® Core™ i7-6700/i7-6700TE/i5-6500/i5-6500TE/i3-6100/i3-6100TE, Intel® Pentium® Processor G4400/G4400TE, Intel® Celeron® G3900/G3900TE
- Support max 4 x 2133Mhz DDR4 ECC/UDIMMs, 32GB per channel, up to 64GB
- 2 GbE management ports
- 8x GbE LAN by Intel® I210-AT with 3 segment LAN bypass
- Max 2 Network Mezzanine Card bays for PCIe gen.3 based port expansion with 1 x PCIe x8 full-height / half-length add-on card
- 2 x 2.5" SATA HDDs/SSDs and 1x mSATA Socket or 1 x M.2 SSD sockets
- IPMI2.0 compliant Remote Management (optional)



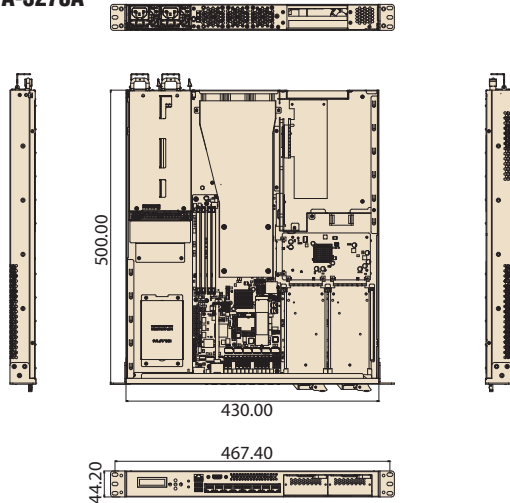
Specifications

| | | FWA-3270A | FWA-3270B | |
|------------------------|--|---|---|---|
| Processor System | Processor | Socket LGA 1151 (E3-1200v5; 6th Core-I; Pentium; Celeron®) | Socket LGA 1151 (6th Core-I, Pentium, Celeron®) | |
| | Core Number | 2C/4C | | |
| | Frequency | 2.4GHz-3.6GHz | 2.4GHz-3.4GHz | |
| | L2 Cache | 2MB/4MB/8MB | | |
| | Chipset | C236 | H110 | |
| | BIOS | AMI Efi 64Mbit | | |
| Memory | Technology | Dual Channel DDR4 with 2133/2400 MHz | Dual Channel DDR4 with 2133/2400 MHz | |
| | Max. Capacity | 4 x DIMM Slots Expandable to 64GB | 2 x DIMM Slots Expandable to 32GB | |
| | Socket | 4 x 288-pin UDIMM | 2 x 288-pin UDIMM | |
| | ECC Support | Yes (E3 CPU only) | NA | |
| Networking | Controller | 8 x Intel® i210-AT | 6 x Intel® i210-AT | |
| | 1GbE | 8 x 10/100/1000 Mbps RJ45 | 6 x 10/100/1000 Mbps RJ45 | |
| | LAN bypass | Advanced | 3 x pair of LAN Bypass (default) | 2 x pair of LAN Bypass (default) |
| | | Legacy | 2 x pair of LAN Bypass (option by jumper) | 2 x pair of LAN Bypass (option by jumper) |
| | PCIe x 8 | 1 x FH/HL gen3 x8 slot (default) | NA | |
| | PCIe x 4 | 2 x FH/HL gen3 x4 slot (option) | NA | |
| NMC | 2 x NMC | 1 x NMC | | |
| Storage | 2.5" HDD/SSD | 2 x 2.5" SATA HDD/SSD bay | | |
| | 3.5" HDD | 1 x 3.5" SATA HDD bay | | |
| | m.2 SSD | 1 x m.2 SSD (2242/2260/2280) | | |
| | mSATA SSD | 1 x Half-Size mSATA SSD | | |
| Display | | HDMI | DVI | |
| I/O | Console port | 1 x RJ45 | | |
| | USB3.0 | 4 (2 in front+2 with pin header) | | |
| | GPIO | 8-bit GPIO | | |
| | LED Indicator | 1 x Power led, 1 x HDD led | | |
| | Reset button | Pin Header | | |
| | Others | RS232, 2 x USB option | | |
| | TPM | TPM 2.0 | NA | |
| LCD Module | | 16x2 graphic display,5 buttons | NA | |
| Power | Power Type | AC, redundant and non-redundant DC, redundant DC (optional) | AC non-redundant | |
| | Watts | 300W | 250W | |
| | Input | 100 V ~ 240 V | | |
| Environment | Operating Temperature (air flow 0.7 m/sec) | 0 ~ 40 °C (32 ~ 104 °F) | | |
| | Non-operating Temperature | -40 ~ 60° C (-40~140F) | | |
| | Humidity | 95% @ 40° C (non-condensing) | | |
| | Vibration Resistance | with SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis with SATA HDD: 10G, 11ms, IEC-60068-2-27, X, Y, X-X, -Y-Z | | |
| | Shock Protection | axis, 3times per axis | | |
| Cooling | | 4x system samrt FAN | 3x system samrt FAN | |
| Mechanical | Construction | Iron | | |
| | Mounting | 1U Rackmount | | |
| | Dimensions (W x H x D) | 430 x 44 x 500 mm (16.9" x 1.7" x 19.6") | 430 x 44 x 375 mm (16.9" x 1.7" x 14.7") | |
| | Weight | 10 kg | 6kg | |
| OS Support | | Linux (CentOS, Red Hat, Ubuntu, etc.), Windows*10 | | |
| Advantech S/W Packages | | QSI (Linux based Advantech Bring-Up Image, LANbypass, FRU) | | |
| IPMI | | Opiton | NA | |
| Certification | | CE/FCC/CB/UL/CCC | | |

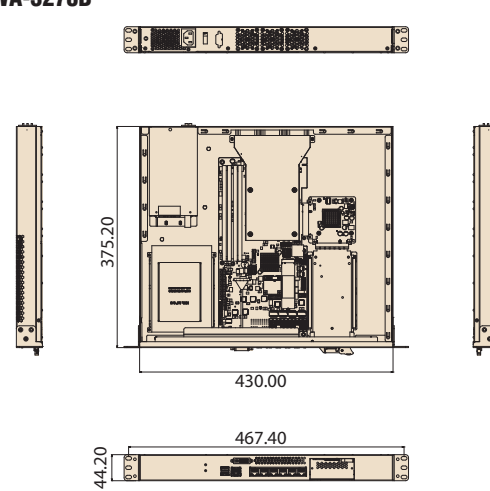
Dimensions

Unit: mm

FWA-3270A

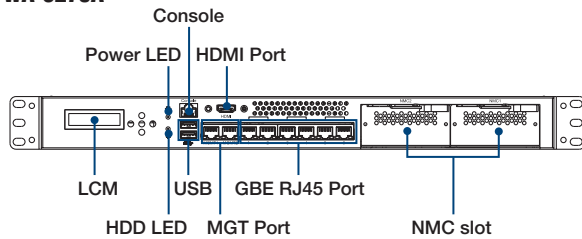


FWA-3270B



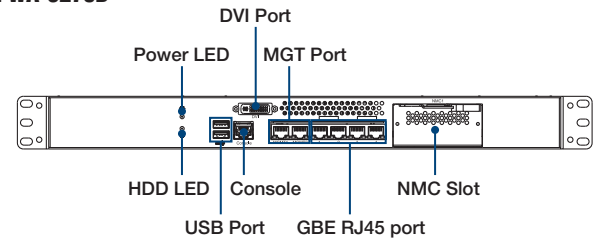
Front Panel External I/O Mechanical Layout/Drawing

FWA-3270A



Front Panel External I/O Mechanical Layout/Drawing

FWA-3270B



Ordering Information

| Part Number | PCH | DDR4 slot | 1Gb LAN Port | Console | USB3.0 | 2.5HDD | 3.5HDD | PCIe Expansion | NMC | Power |
|-----------------|------|-----------|--------------|---------|--------|--------|--------|---|-----|-------------------|
| FWA-3270A-00A1E | C236 | 4 | 8 | 1 | 2 | 2 | 1 | 1 x PCIe x8 (conflict with 3.5" HDD) | 2 | AC 300W redundant |
| FWA-3270B-00A1E | H110 | 2 | 6 | 1 | 2 | 2 | 1 | NA | 1 | AC 250W single |

Packing List

| Part Number | Description |
|---------------|----------------------------|
| 1700024783-01 | SATA Data Cable 30cm |
| 1700018950 | RJ-45 Console Cable 220 cm |

Optional Accessories

| Part Number | Description |
|---------------|------------------------------|
| 1702002600 | Power cord 3P 180cm, USA |
| 1702002605 | Power cord 3P 180cm, Europe |
| 1702031801 | Power cord 3P 180cm, UK |
| 1700000237 | Power cord 3P 180cm, JP |
| 1700009652 | Power cord 3P 180cm, China |
| 1700024019-01 | HDMI Cable 20 cm (FWA-3270A) |
| 1700024962-01 | DVI Cable 20 cm (FWA-3270B) |
| 9680009153 | 1U 26" slide rail (pair) |