

AIR-300

Intel® Xeon® /Core™ i3/i5/i7 LGA1151 Powerful Edge Inference System

NEW



Features

- Intel® Xeon® / 6th & 7th Gen. Core™ i3/i5/i7 up to 65W CPU
- Dual independent display: VGA + HDMI
- Dual Channel DDR4 SO-DIMM memory up to 32 GB
- 850W power supply built-in
- PCIe x16 Graphics card support up to 260W
- Two swappable 2.5" hard drive bay



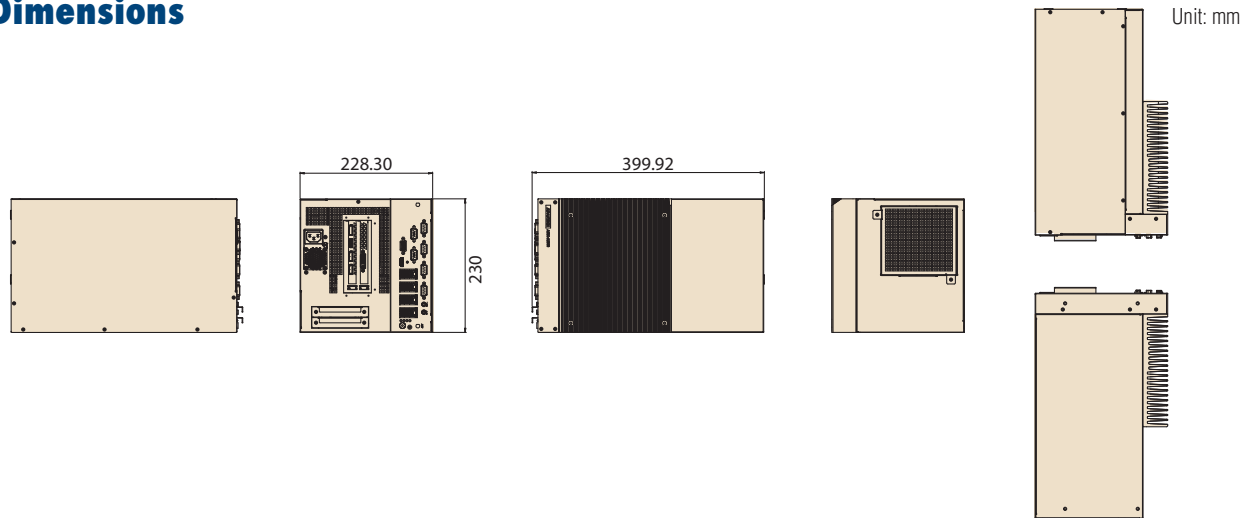
WISE-PaaS/ DeviceOn SUSI API



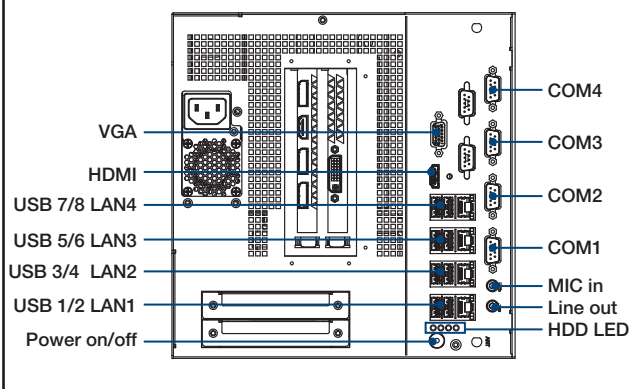
Specifications

| | | | | | |
|-------------------------------------|------------------------|--|-----------------|---------|----------|
| Processor System | CPU | E3-1235L V5 | i7-7700/i7-6700 | i5-7500 | i3-7101E |
| | Frequency | 2.0GHz | 3.6GHz/3.4GHz | 3.4GHz | 3.9GHz |
| | L3 Cache | 8MB | 8MB | 6MB | 3MB |
| | TDP | 25W | 65W | 65W | 54W |
| | Chipset | C236 | | | |
| Memory | BIOS | AMI EFI 127Mbit | | | |
| | Technology | DDR4 2133 MHz | | | |
| | Max. Capacity | 32 GB | | | |
| Graphics | Socket | 2 x 260-pin SO-DIMM | | | |
| | Chipset | Intel® HD Graphics 630 | | | |
| | Graphic Engine | Direct x 12, OpenGL 4.4 HW Encode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, JPEG/MJPEG and VP8. HW Decode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, VC-1/WMV9, JPEG/MJPEG, VP8 and VP9 | | | |
| | VGA | 1920x1200@ 60Hz | | | |
| Ethernet | HDMI | 1 HDMI port, HDMI 2.0 for HD video playback, 3840x2160@30Hz | | | |
| | LAN1 | 10/100/1000 Mbps Intel I219-LM GbE, support Wake On Lan | | | |
| Audio | LAN2_3_4 | 10/100/1000 Mbps Intel I210 GbE, support Wake On Lan | | | |
| | Interface | Realtek ALC888S, High Definition Audio, Line-out, Mic-in | | | |
| Others | Watch dog Timer | 255-level timer interval, setup by software | | | |
| | TPM | TPM 2.0 (Optional by project support) | | | |
| I/O Interface | Serial Port | 4 x RS-232/422/485 port with auto flow control; COM 1 support 5V/12V power supply (by jumper) | | | |
| | USB | 8 x USB 3.0 ports | | | |
| Expansions | Mini PCIe | 2 x Full-size Mini PCIe (2 x support mSATA, 1 x support SIM holder) | | | |
| | M.2 | 1 x 2230 E key for WiFi | | | |
| | Add-on Card Slot | 1 slot PCIe x16. Maximum power consumption 260W, Maximum card size: 311mm (L) x 113mm (H) x 52mm (W), gold finger included | | | |
| Storage | SSD | 2 x 2.5" SATAIII hard drive Bay with Max Height 15mm (Support Up to 4 x 2.5" SATAIII hard drive Bay by Optional) | | | |
| | mSATA | 2 x mSATA socket (Share with Mini PCIe) | | | |
| Software Support | Microsoft Windows | Windows 10 (Windows 7 for 6th Gen CPU only) | | | |
| | Linux | By Project Support | | | |
| Power Requirements | Power Type | ATX | | | |
| | Power Input Voltage | 100-240V AC | | | |
| | Power Supply | 850W power supply built-in | | | |
| Power Consumption (CPU/Memory Only) | Typical | 23W | | | |
| | Max. | 66W | | | |
| Mechanical | Construction | Aluminum housing | | | |
| | Mounting | Desk mounting | | | |
| | Dimensions (W x H x D) | 228.3 x 230 x 399.92 mm | | | |
| | Weight | 10.2Kg | | | |
| Environment | Operating Temperature | With extended temp peripherals: 0 ~ 50 °C with 0.7m/s air flow | | | |
| | Storage Temperature | -20 ~ 80 °C | | | |
| | Relative Humidity | 95% @ 40 °C (non-condensing) | | | |
| | EMC | CE/FCC Class B, CCC, BSMI | | | |
| | Safety | CB, UL, CCC, BSMI | | | |

Dimensions



Front Panel External I/O Mechanical Layout/Drawing



Ordering Information

| Part No. | CPU | DDR4 | GbE | VGA | HDMI | RS-232/422/485 | USB 3.0 | MiniPCIe | SIM | M.2 | AC Input | Expansion |
|--------------|------------------------|------------|-----|-----|------|----------------|---------|----------|-----|-----|----------|------------|
| AIR-300-00A1 | LGA1151 Socket Type | Up to 32GB | 4 | 1 | 1 | 4 | 8 | 2 | 1 | 1 | 100-240V | 1 x PCIe16 |

Note: CPU/Memory/Storage and operating system bundled by request.

Packing List

| Part Number | Description |
|-------------|----------------------------------|
| - | AIR-300 Unit |
| - | Mounting Kit |
| - | User Manual (Simplified Chinese) |
| - | China RoHS |

Embedded OS

| Part Number | Description |
|----------------|---|
| 20706WX9HS0023 | WIN10 IoT LTSC 64bit for Xeon and Core i7 |
| 20706WX9VS0026 | WIN10 IoT LTSC 64bit for Core i3 and i5 |

AIR-300 Option Items

Optional Item for Default SKU

| Part Number | Description |
|---------------|------------------------------------|
| 1702002600 | Power cable 3-pin 183cm, USA type |
| 1702002605 | Power cable 3-pin 183cm, EU type |
| 1702031801 | Power cable 3-pin 183cm, UK type |
| 1700000237 | Power cable, 3-Pin 183cm, PSE type |
| 1700030682-01 | 16bit DIO cable |
| 1700030683-01 | COM5/6 cable |
| AMK-A0031 | internal 2.5" hard drive kit |