

IVS-110-AL

Vehicle Fleet Management System



Features

- » Intel® Apollo Lake processor
- » Dual SIM slot
- » Optional 3G/Wi-Fi
- » 16 x DI/DO
- » 1 x HDMI™ (lockable), 1 x VGA
- » Built-in GPS function
- » E-Mark certification
- » Built-in OBD-II/J1939
- » IP4X protection

Specifications

| Form factor | |
|-----------------------------|--|
| SBC Form Factor | *CPU: Intel® Atom™ x7-E3950 Processor (quad-core 2.0GHz, 12W TDP) |
| | *Chipset: SoC |
| | *System Memory: 1 x 204-pin DDR3L SO-DIMM. 4GB pre-installed |
| | *Communication |
| | WLAN: PCIe Mini Wi-Fi 802.11 a/b/g/n/ac (optional) |
| | Bluetooth: BT 4.0/3.0+HS (combo with WLAN optional module) |
| | WWAN: PCIe Mini WCDMA/HSDPA/HSUPA (optional) |
| | GPS: On board GPS |
| | *Safety/EMC: CE/FCC/E-Mark/IP rating : IP 4X compliant |
| | *Supported OS: Microsoft® Windows 10 IoT Enterprise |
| I/O Interface | |
| I/O Ports | 4 x USB 3.0 |
| | 1 x RJ-45 PCIe GbE by Intel® I211 |
| | 1 x RS-232/422/485 (BIOS configuration) |
| | 1 x 16-bit digital I/O (8-bit input / 8-bit output) |
| | 1 x DB9 OBD-II/J1939 |
| | 2 x Display - |
| | >> 1 x VGA (Up to 1920 x 1200 @ 60 Hz) |
| | >> 1 x HDMI™ (Up to 3840 x 2160 @ 30 Hz) |
| | 1 x Audio line out |
| | 2 x on board SIM card slot |
| Expansion Slots | |
| Expansion Slots | 1 x Full/Half-size PCIe Mini slot (reserved for WWAN) |
| | 1 x Full/Half-size PCIe Mini slot (reserved for mSATA or E-window) |
| | 1 x Half-size PCIe Mini slot (reserved for WLAN) |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | *Hard Drive: 1 x 2.5' SATA 6Gb/s HDD/SSD drive bay |
| | *mSATA / eMMC: |
| | 1 x mSATA (PCIe Mini Slot) |
| | 1 x eMMC 5.0 (reserved) |
| Physical Characteristics | |

| | |
|-----------------------|--|
| Construction | Extruded aluminum alloy |
| | Mounting Wall mount / VESA 100 |
| Color | |
| Color | Black |
| Dimensions | |
| Dimensions | 261 x 170 x 60 (WxHxD) (mm) |
| Weight | |
| Weight | 2.4 kg / 3.8 kg (Net/Gross) |
| Environment | |
| Operating Temperature | Operating: -30°C ~ +70°C with air flow |
| | Storage: -40°C ~ 80°C |
| Humidity | 10% ~ 95%, non-condensing |

Ordering Information

| | |
|----------------------|---|
| IVS-110-AL-E3/4G-R10 | Fanless embedded system with Intel® Atom™ x7-E3950 (12W) Processor with 4GB DDR3L pre-installed memory, on board GPS, HDMI™, VGA, one GbE LAN, one 2.5" SATA HDD bay, two SIM slots, RoHs |
|----------------------|---|

Packing List

| | |
|--------------------|----------------|
| 1 x Screw pack | 1 x SATA Cable |
| 2 x Wall Mount Kit | |