***Industrial System***

***w w w . i ei w or l d .c om***

***Vehicle Surveillance System***

**IVS-200-ULT2**

***Features***



mSATA

-20°C~60°C

* Intel® i5-5350U dual-core 1.8 GHz CPU or Intel® Celeron® 3755U dual-core 1.7 GHz CPU
* Four Intel® GbE LAN ports
* 9 V~36 V DC input
* Two RS-232/422/485
* E-Mark certification



**E**

E-Mark



Four LAN



Fanless



9~36V

DV Input

# *Specifications*

|  |  |  |
| --- | --- | --- |
| **Model Name** | | **IVS-200-ULT2** |
| **Chassis** | **Color** | Blue C |
| **Dimensions (WxHxD) (mm)** | 255 x 63 x 150 |
| **System Fan** | Fanless |
| **Chassis Construction** | Extruded aluminum alloy |
| **Motherboard** | **CPU** | Intel® Core™ i5-5350U Processor (dual-core, 1.8 GHz, 15W TDP) or Intel® Celeron® 3765U Processor (dual-core, 1.9 GHz, 15W TDP) |
| **Chipset** | SoC |
| **System Memory** | 2 x 204-pin DDR3L SO-DIMM slot  4 GB Pre-installed (system max. 16 GB) |
| **Storage** | **Hard Drive** | 1 x 2.5" SATA 6Gb/s HDD/SSD removable drive bay |
| **mSATA** | 1 x mSATA (SATA 6Gb/s) |
| **Communication** | **WLAN** | PCIe Mini Wi-Fi 802.11b/g/n (optional) |
| **Bluetooth** | Bluetooth 2.1 (combined with WWAN optional module) |
| **WWAN** | PCIe Mini WCDMA/HSDPA/HSUPA (optional) |
| **I/O Interfaces** | **USB 3.0** | 2 |
| **USB 2.0** | 2 |
| **Ethernet** | 4 x RJ-45 connector  LAN1: PCIe GbE by Intel® I218 LAN2: PCIe GbE by Intel® I211 LAN3: PCIe GbE by Intel® I211 LAN4: PCIe GbE by Intel® I211 |
| **COM Port** | 2 x DB-9 RS-232/422/485  4 x DB-9 RS-232 (optional) |
| **Display** | 1 x VGA, 1 x HDMI |
| **Resolution** | VGA: up to 2560 x 1600 @ 60 Hz  HDMI: up to 3840 x 2160 @ 60 Hz |
| **DIO** | 8 bit digital I/O (4-bit input, 4-bit output) (optional) |
| **SIM** | 1 x on board SIM card slot |
| **Antenna** | 1 x 3G, 1 x BT, 1 x Wi-Fi |
| **Audio** | 1 x Line out, 1 x Mic in |
| **Expansions** | **PCIe Mini** | 1 x Full-size PCIe Mini (reserved for WWAN or mSATA)  1 x Half-size PCIe Mini (reserved for WLAN) |
| **Power** | **Power Input** | DC jack : 9 V~36 V DC |
| **Consumption** | 12 V @ 2.1 A (Intel® i5-5350U with 4 GB DDR3 memory) |
| **Reliability** | **Mounting** | VESA 100 |
| **Operating Temperature** | -20°C ~ 60°C with air flow (SSD) |
| **Storage Temperature** | -30°C ~ 70°C |
| **Humidity** | 10% ~ 95%, non-condensing |
| **Operating Shock** | Half-sine wave shock 5G, 11ms, 3 shocks per axis |
| **Operating Vibration** | MIL-STD-810F 514.5C-2 (with SSD) |
| **Weight (Net/Gross)** | 2.2 kg/3 kg |
| **Safety/EMC** | CE/FCC/E-Mark |
| **OS** | **Supported OS** | Microsoft® Windows® Embedded 8, Microsoft® Windows® Embedded Standard 7 E |

***w w w . i ei w or l d .c om***

***Fully Integrated I/O***

***Front view Rear view***

LED Indicators:

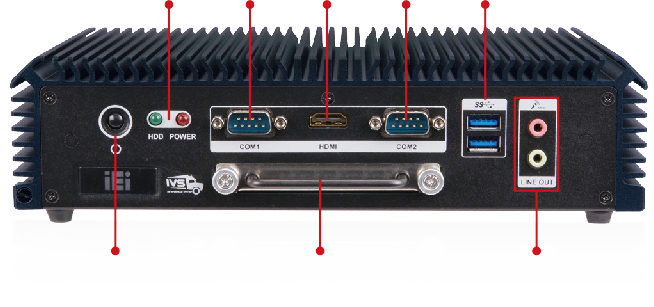
HDD, Power COM 1 HDMI COM 2 2 x USB 3.0 ACC Mode Reset

ATX/AT

Mode 2 x USB 2.0



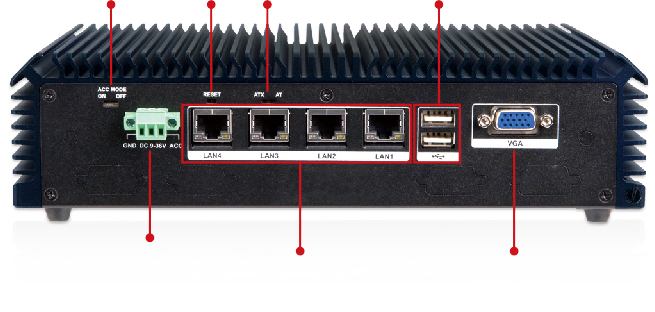
***Industrial System***



Power Switch

2.5" HDD/SSD Drive Bay

Audio

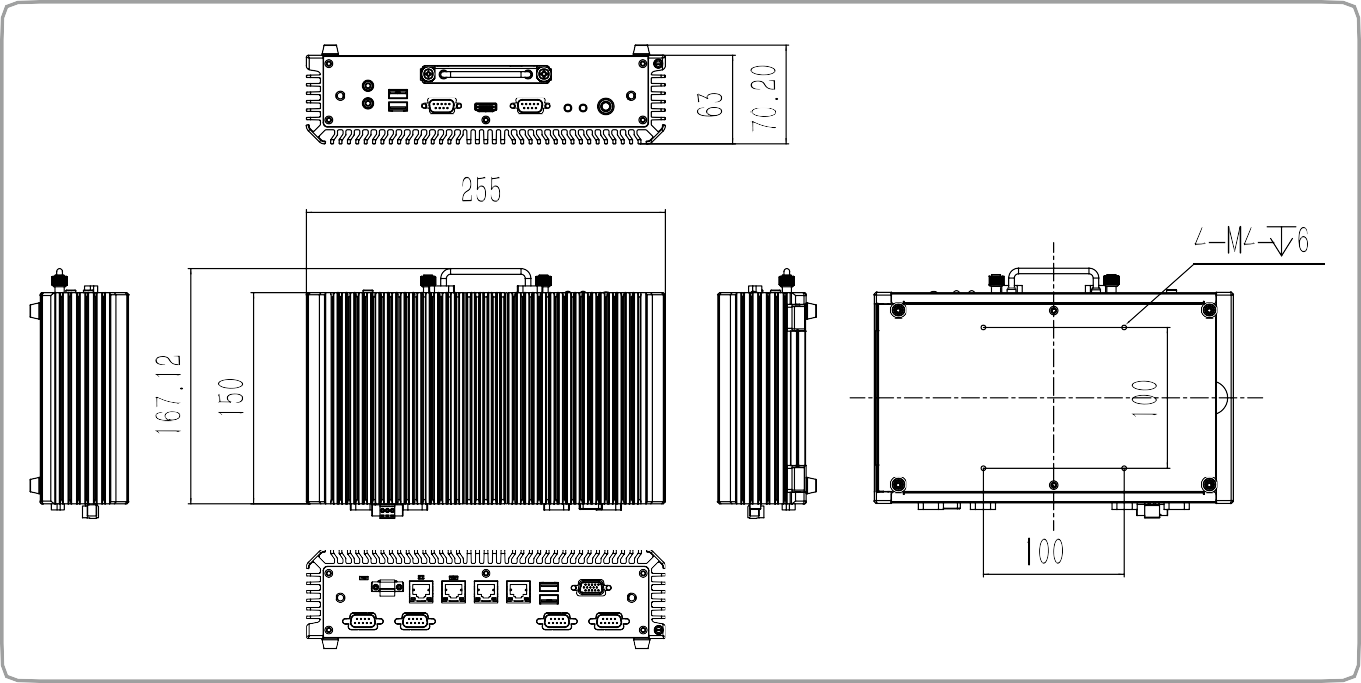


Power In (Terminal Block)

4 x LAN

VGA

***Dimensions (Unit: mm)***



***IVS-200-ULT2***

# *Ordering Information*

|  |  |
| --- | --- |
| **Part No.** | **Description** |
| **IVS-200-ULT2-i5/4G-R10** | Fanless system with Intel® Core™ i5-5350U CPU, up to 2.9GHz, TDP 15W, four GbE LAN ports, one HDMI, one VGA, two RS-232/422/485, one 2.5" removable SATA HDD bay, 4 GB memory pre-installed, 9 V~36 V DC, R10, RoHS |
| **IVS-200-ULT2-C/4G-R10** | Fanless system with Intel® Celeron® 3765U 1.7GHz CPU, TDP 15W, four GbE LAN ports, one HDMI, one VGA, two RS-232/422/485, one 2.5" removable SATA HDD bay, 4 GB memory pre-installed, 9 V~36 V DC, R10, RoHS |

***Options***

|  |  |  |
| --- | --- | --- |
| **Item** | **Part No.** | **Description** |
| **Wireless kit** | IVS-WIFI-KIT01-R10 | 1T1R wifi module kit for embedded system, IEEE 802.11b/g/n, 1 x wifi module, 1 x Antenna, RoHS |
| **WWAN kit** | IVS-3G-KIT01-R10 | F260 3G module, BT V2.1, 1 x Antenna, RoHs |
| **OS** | IVS-200-ULT2-WES7E64-R10 | OS Image with Windows® Embedded Standard 7 E 64-bit for IVS-200-ULT2, DVD-ROM, RoHS |
| **Serial cable** | 32205-005400-100-RS | RS-232 cable, 150 mm, 2x5 pin |
| **DIO cable** | 32231-000100-200-RS | DIO cable, 150 mm, 2x5 pin |

***Packing List***

|  |  |  |
| --- | --- | --- |
| **Item** | **Qty** | **Description** |
| **Utility CD** | 1 | User manual and driver CD |