

# IVS-200-ULT2

## Vehicle Surveillance System



### Features

- 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

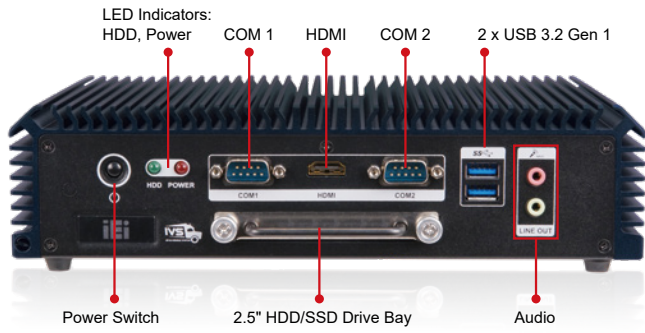


### Specifications

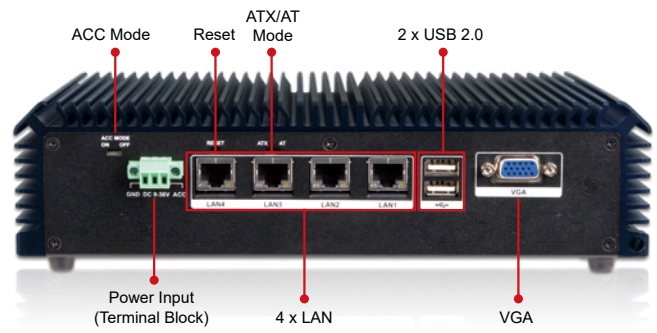
Model Name		IVS-200-ULT2	
Chassis	Color	Blue C	
	Dimensions (WxHxD) (mm)	255 x 63 x 150	
	System Fan	Fanless	
	Chassis Construction	Extruded aluminum alloy	
Motherboard	CPU	Intel® Core™ i5-5350U 1.8 GHz (up to 2.9 GHz, dual-core, TDP 15W) Intel® Celeron® 3765U 1.9 GHz (dual-core, TDP 15W)	
	Chipset	SoC	
	System Memory	2 x SO-DIMM DDR3L 1600/1866 (4GB pre-installed)(up to 16GB)	
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD removable bay	
Communication	WLAN	802.11 a/b/g/n/ac (optional)	
	Bluetooth	Bluetooth 2.1 (optional)	
	WWAN	WCDMA/HSDPA/HSUPA (optional)	
I/O Interfaces	USB	2 x USB 3.2 Gen1 2 x USB 2.0	
	Ethernet	4 x RJ-45: 1 x GbE by Intel® I218 3 x GbE by Intel® I211	
	COM Port	2 x RS232/422/485 with AFC (DB9) 4 x RS232 (DB9)	
	Digital I/O	8-bit Digital I/O (4-in/ 4-out)(pin header)	
	Display	1 x HDMI (up to 3840 x 2160@30Hz) 1 x VGA (up to 1920 x 1600@60Hz)	
	Audio	1 x Line-out, 1 x Mic-in	
	Antenna	1 x 3G, 1 x BT, 1 x Wi-Fi	
	Other	1 x Power button, 1 x Reset button, 1 x AT/ATX Switch, 1 x ACC Switch, 1 x LED for Power (Red), 1 x LED for HDD (Green)	
	Expansions	PCIe Mini	1 x Full-size with SIM card slot (PCIe/USB 2.0) 1 x Full-size (PCIe/USB 2.0/SATA)
		Power Input	DC Jack: 9 ~ 36V DC
Power	Power Consumption	12V @ 2.1A (Intel® i5-5350U with 4GB memory)	
	Mounting	VESA 100	
Reliability	Operating Temperature	-20°C ~ 60°C with air flow, 10% ~ 95% non-condensing	
	Storage Temperature	-30°C ~ 70°C with air flow, 10% ~ 95% non-condensing	
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)	
	Operating Vibration	MIL-STD-810F 514.5C-2 (SSD)	
	Weight (Net/Gross)	2.2KG/ 3.0KG	
	Safety/EMC	CE/ FCC/ E-Mark	
	Watchdog Timer	Programmable 1 ~ 255 sec/min	
	OS	Supported OS	Microsoft® Windows Embedded 8, Microsoft® Windows Embedded, Standard 7 E

## Fully Integrated I/O

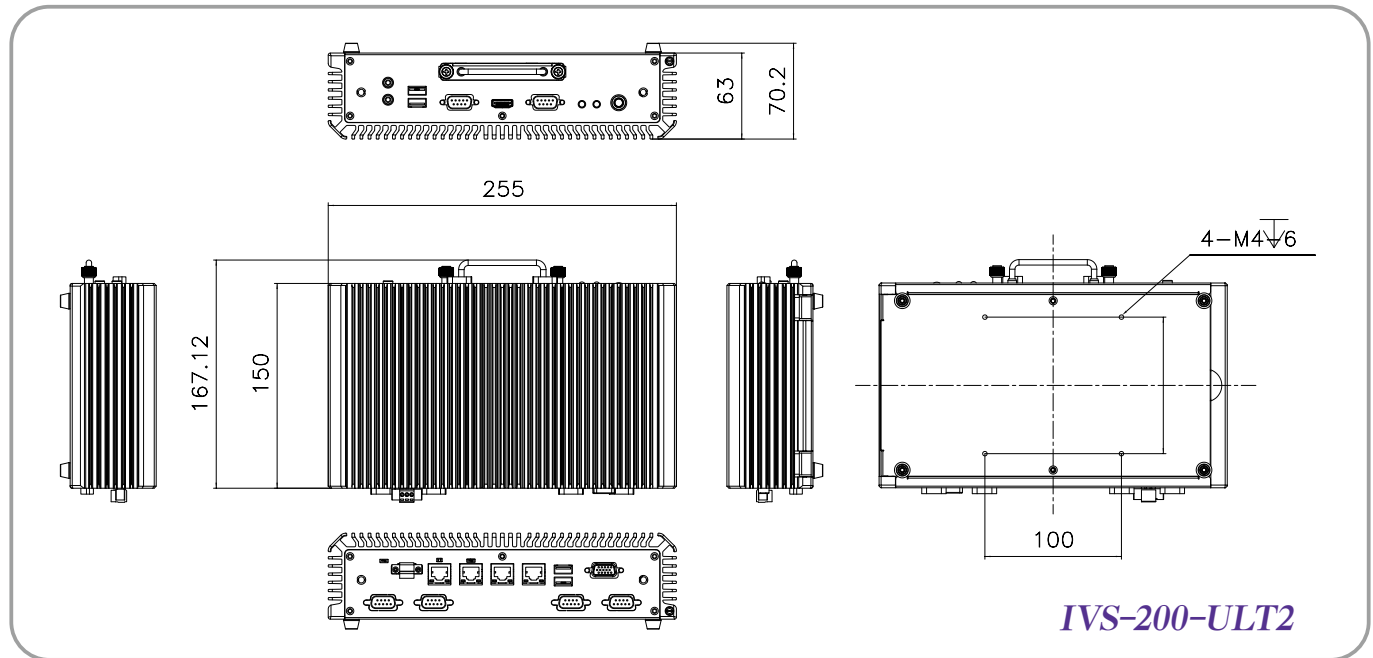
### Front view



### Rear view



### Dimensions (Unit: mm)



### Ordering Information

Part No.	Description
IVS-200-ULT2-i5/4G-R11	Fanless system with Intel® Core™ i5-5350U CPU, up to 2.9 GHz, 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, RoHS
IVS-200-ULT2-C/4G-R11	Fanless system with Intel® Celeron® 3765U 1.7 GHz 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, RoHS

### Options

Item	Part No.	Description
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
Wireless kit	EMB-WIFI-KIT01-R20	1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ac WiFi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 250mm RF cable, 2 x Antenna, RoHS

### Packing List

Item	Part No.	Qty	Description
Screw pack	44013-030041-RS	4	Screw pack
	44005-030083-RS	4	Screw pack
Wall mount kit	41020-0433C2-00-RS	2	Wall mount bracket