

# 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

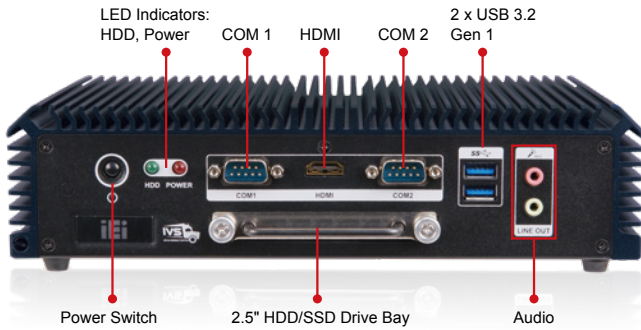


### Specifications

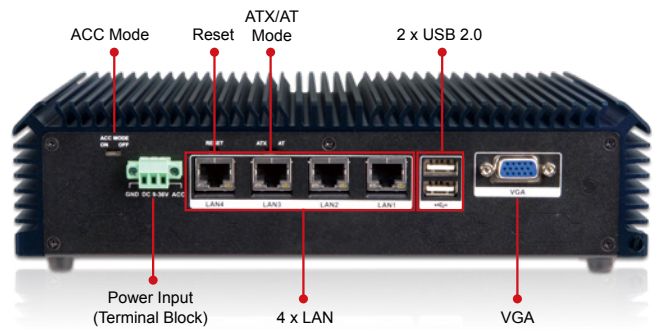
Model Name		IVS-200-ULT2	
Chassis	Color	Blue C	
	Dimensions (WxHxD) (mm)	255 x 63 x 150	
	System Fan	Fanless	
	Chassis Construction	Extruded aluminum alloy	
Motherboard	CPU	Intel® Core™ i5-5350U Processor (dual-core, 1.8 GHz, 15W TDP) or Intel® Celeron® 3765U Processor (dual-core, 1.9 GHz, 15W TDP)	
	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 optional WWAN module)	
	WWAN	PCIe Mini WCDMA/HSDPA/HSUPA (optional)	
I/O Interfaces	USB 3.2 Gen 1	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 (reserved for WWAN or mSATA) 1 x Full-size (reserved for WLAN)
		Power Input	DC jack : 9 V~36 V DC
	Power	Consumption	12 V @ 2.1 A (Intel® i5-5350U with 4 GB DDR3 memory)
		Reliability	Mounting
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		
OS	Safety/EMC	CE/FCC/E-Mark	
	Supported OS	Microsoft® Windows® Embedded 8, Microsoft® Windows® Embedded Standard 7 E	

## Fully Integrated I/O

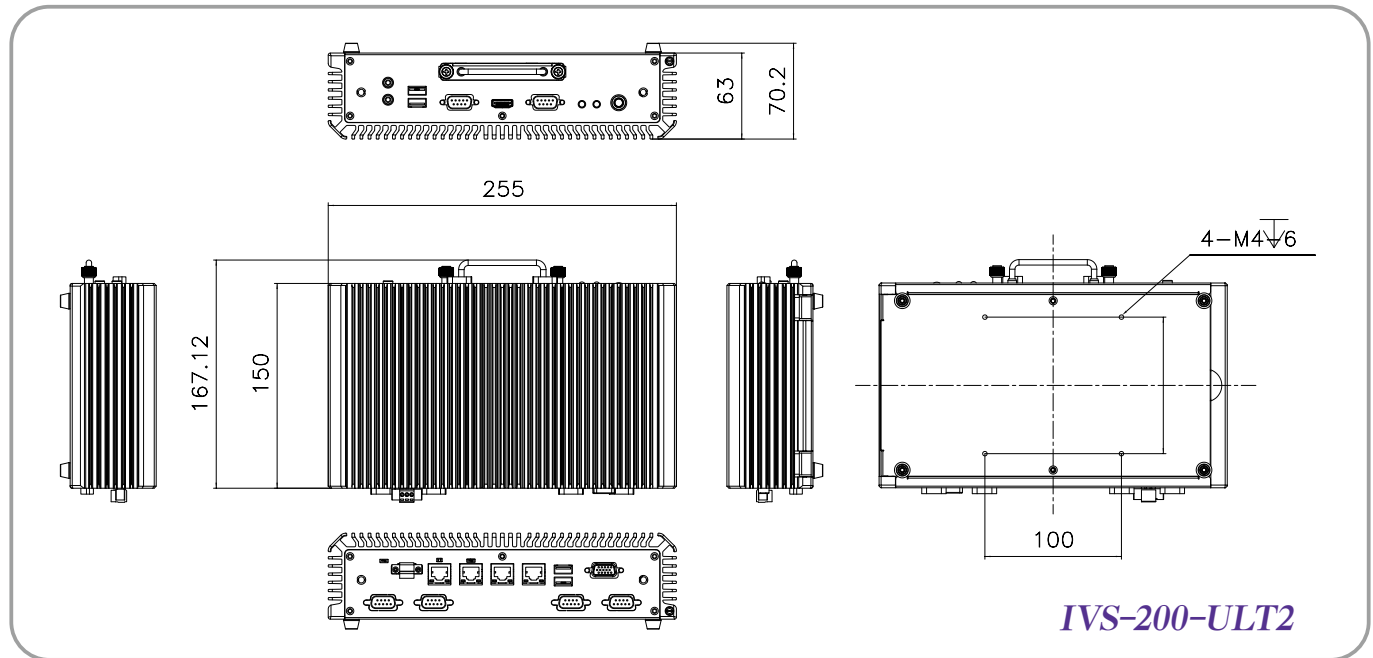
### Front view



### Rear view



### Dimensions (Unit: mm)



IVS-200-ULT2

### Ordering Information

Part No.	Description
IVS-200-ULT2-I5/4G-R11	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, RoHS
IVS-200-ULT2-C/4G-R11	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, 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
3G Module	IVS-3G-KIT02-R10*	3G module kit for embedded system, F260, 1 x 3G module, RoHS
Antenna	32505-004200-100-RS*	WLAN;LTE FULL BAND ANTENNA;RG 178;137MM;RFA-LTE-C55-U-B70-1;Peak Gain:4dBi;50Ω;ARISTOTLE;700~2700MHz;VSWR≤4.0;SMA PLUG;RoHS
RF Cable	32501-000704-100-RS*	RF:RF CABLE FOR DVBT;LINE DIAMETER:1.37mm;263MM;50Ω;Exceltek;0-6GHz;VSWR≤1.5;I-PEX;SMA JACK;NUT*1;WASHER*2;RoHS

\* Each 3G module needs two antennas and two RF cables to fully support 3G function.

### 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