

## Fanless Embedded 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

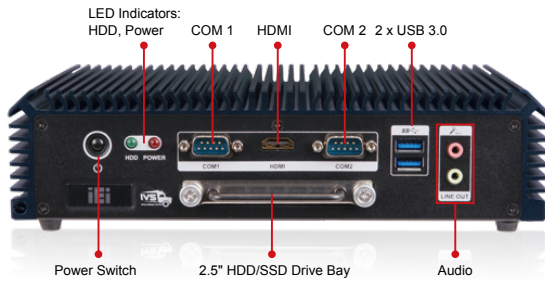
Model Name		IVS-200-ULT2	
Chassis	Color	Blue C	
	Dimensions (WxHxD) (mm)	255 x 63 x 150	
	System Fan	Fanless	
	Chassis Construction	Extruded aluminum alloy	
Motherboard	CPU	Intel® Core™ i5-5350U Processor (dual-core, 1.8 GHz, 15W TDP) or Intel® Celeron® 3765U Processor (dual-core, 1.9 GHz, 15W TDP)	
	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 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 Full-size PCIe Mini (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)	
	Mounting	VESA 100	
Reliability	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	

\*IVS-200-ULT2-QGW-R10 has only one PCIe mini slot(Full size)

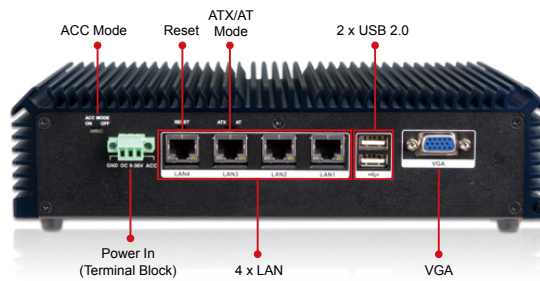
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### Fully Integrated I/O

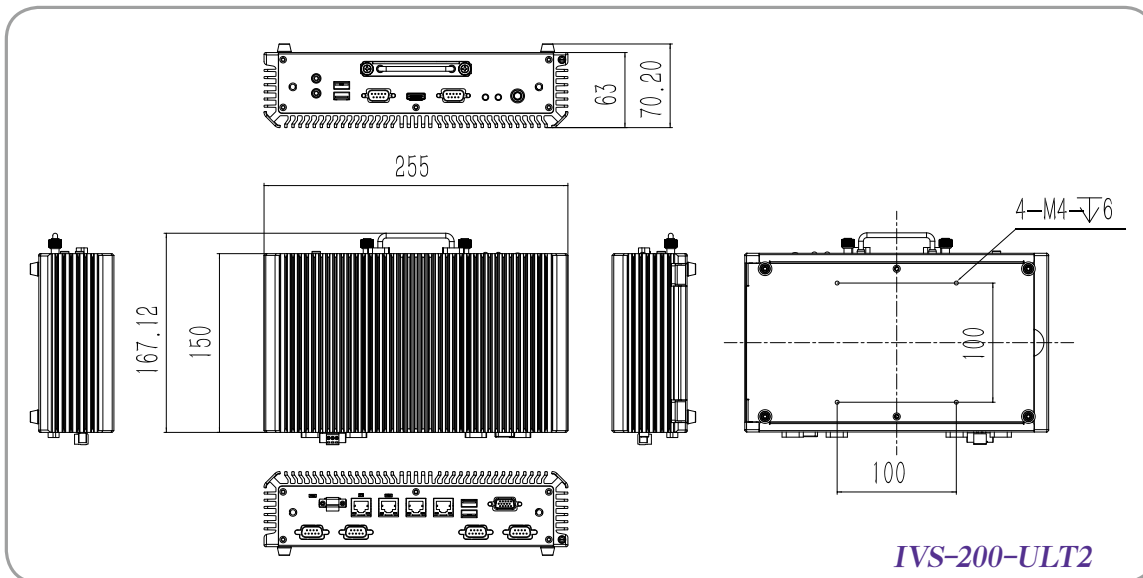
#### Front view



#### Rear view



### Dimensions (Unit: mm)



### 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
IVS-200-ULT2-QGW-R10	Fanless System with Intel® Core™ i5-5350U up to 2.9GHz, TDP 15W, 4 x GbE LAN port , 1 x HDMI, 1 x VGA, 2 x RS-232/422/485, 1 x 2.5" removable SATA HDD bay, 8G memory pre-installed, with QTS-Gateway, 9-36V 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

### Packing List

Item	Qty	Description
Utility CD	1	User manual and driver CD