

IRS-3610

High Performance Rugged Box PC



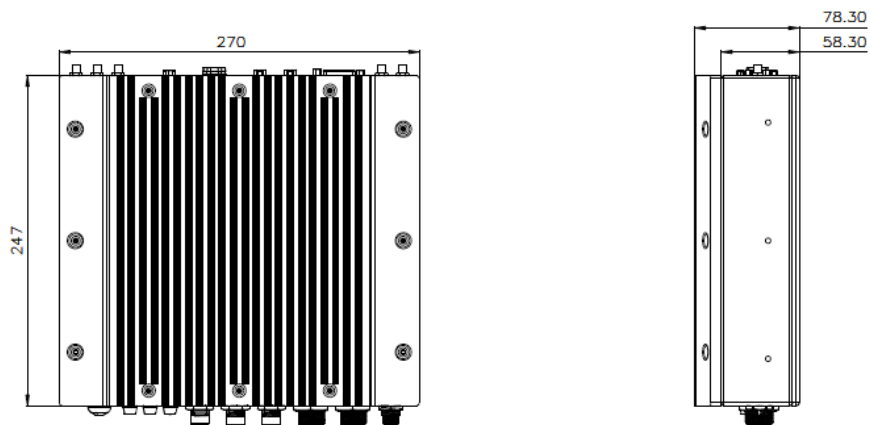
Features

- 5th generation Intel® Core™ processor (U-Series)
- DDR3L 1333/1600MHz 2 x 204-pin SODIMM non-ECC only (up to 16GB)
- Intel® HD Graphics 6000, supports DirectX 11.1, OpenGL 4.2, OpenCL 1.3
- Supports dual Gigabyte Ethernet, Wi-Fi, LTE, and GPS
- Supports wide power input range 14.4V~33.6V (Exceed IEC 60092-101)
- IP66, IP67 rating and salt water anti-corrosion

Specifications

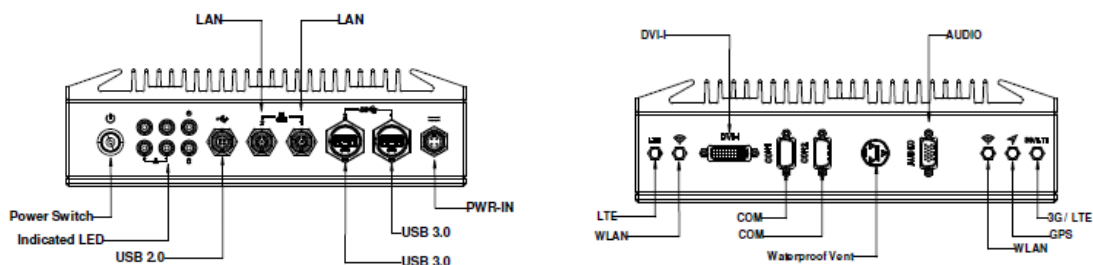
Computing System	CPU	Intel Broadwell core i5-5350U processor
	Max Speed	1.8GHz
	L3 Cache	3 MB
	System Chipset	5th Generation Intel® Core™ processor (U-Series) + Wildcat Point LP
	BIOS	AMI EFI 128Mbit
	Memory	DDR3L 1333/1600MHz 2 x 204-pin SODIMM non-ECC only (up to 16GB)
Storage	Internal	1 x mSATA Socket Full
Graphics	Chipset	Intel® HD Graphics 6000, supports DirectX 11.1, OpenGL 4.2, OpenCL 1.3
	Display	VGA + DVI (one DVI-I connector)
Ethernet	LAN1, LAN2	Intel I210AT controller (M12 connector)
Expansion Function	GPS	50 channels, -160dBm Sensitivity, A-GPS and Galileo capable (Optional)
	Wi-Fi	802.11a/b/g/n (Optional)
	LTE	LTE/HSPA+ module with SIM holder (Optional)
Audio	Interface	1 x HD Audio output w/Amplifier D-sub 15pin
I/O Interface	Serial Port	2 x COM RS-232/422/485 D-sub 9pin
	USB Interface	1 x USB2.0 on M12 connector 4pin, 2 x USB3.0 on Circular connector 12pin
Vent	Pressure Equalization Vent	Air permeability: >260ml/min @70mbar
Other	Watchdog Timer	Hardware, 255 levels timer interval, setup by software
Software	Microsoft Windows	Windows 7, Windows 7 Embedded, Windows 10
	API	Advantech SUSIAccess
Power	Power Type	4 poles of M12
	Power Input Voltage	24V (14.4-33.6V power range)
Environment	Operating Temperature	-25 ~ 70°C
	Storage Temperature	-40 ~ 85°C
	Relative Humidity	95 %@40 °C relative humidity (non-condensing)
Physical Characteristics	Construction	Aluminum housing
	Dimensions (W x H x D)	270 x 78.3 x 247mm / 10.6 x 3.1 x 9.7in
	Weight	4.1kg / 9lb (Estimate)
Certifications	EMC	CE/FCC Class B
	Safety Certification	UL/CB

Dimensions



Unit: mm

Front/Rear View



Ordering Information

Part Number	Description
IRS-3610-00A1E	IRS-3610 Intelligence Rugged Box PC-Broadwell-U

Note: IRS-3610 standard SKU with 4GB memory/64GB mSATA SSD (OS image/RF modules not included).

Optional items

Parts	Advantech PN	Description	Quantity
GPS module	EWM-G109H01E	Advantech u-blox 8 GPS/Beidou Half-Mini	1
WLAN module	968AB00006	WLAN/BT 802.11a/b/g/n/ac,BT4.1,2x2,Half MiniPCI	1
LTE module	968EMC0066	MC7455 PCI Express Mini Card	1
Antenna(Wi-Fi)	1750008340-01	Dipole Ant. DB 2.4+5G WIFI PIFA -2/2dBi SMA/M-R	2
Antenna(LTE)	1750008832-01	Dipole Ant. LTE SMA/M-R BLK RG174 R/A OD13x218	2
Antenna(GPS)	1750006432	GPS antenna 5000mm AG1575-0250SM-UL	1

Design & Manufacturing Services

Advantech also provides customization services for IRS-3610. ODM products are designed for customers with consistent orders and specific design requirements. ODM products are subject to minimum annual order quantities and engineering charges. Evaluation units are available that are not limited to the above conditions. ODM customers are served by dedicated Advantech project teams.