

ARS-2620

EN 50155 Intel® i7-6600U/i7-7600U Fanless Railway Box PC



Features

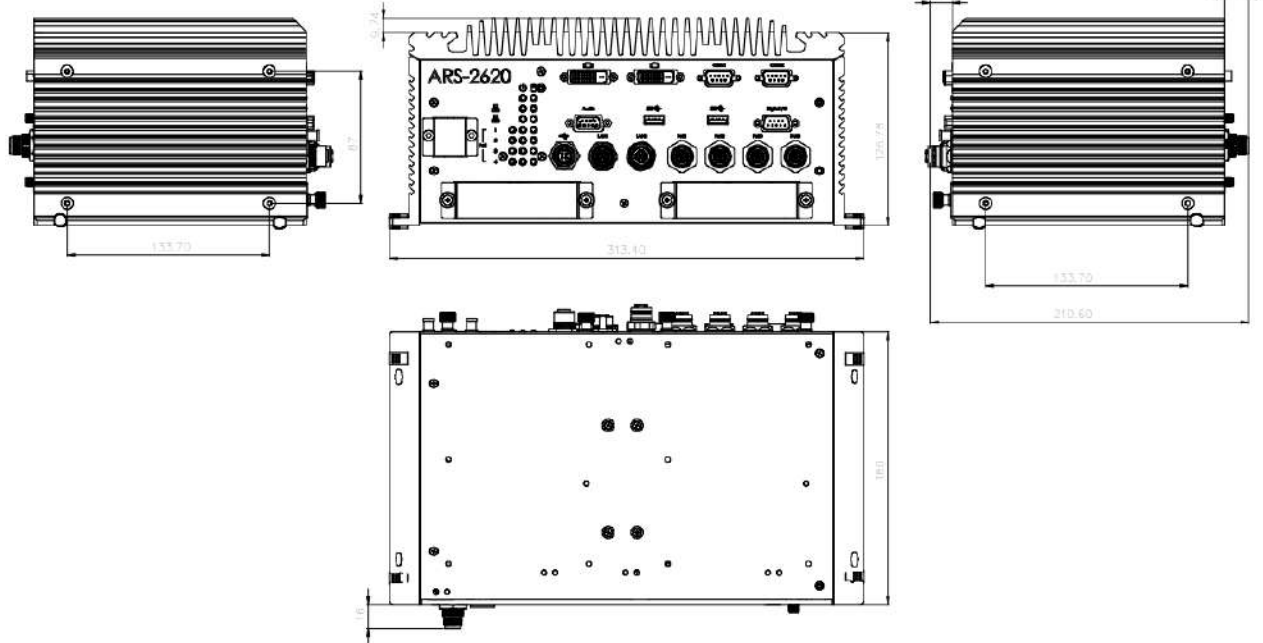
- Intel® 6th Generation i7-6600U/i7-7600U processor
- SO-DIMM DDR4 1600MHz/1866MHz, Up to 16GB
- Dual independent displays: DVI-D and DVI-D ports
- 6 x GbE LAN (4ports with POE), 3 x USB (1 x M12) and 2 x COM ports
- 2 x MiniPCIe and 1 x mSATA for expansion
- Supports GPS ,Wi-Fi, 2 x LTE (Optional)
- Supports 2 x 2.5" SSD expansions and RAID 0/1(Optional)
- EN 50155 Power input range: 24V/48V/72V/110V (±40%)
- EN 50155 TX temperature level: -40° C ~ 70° C (85° C for 10 Minutes)
- IP50+ and conformal coating protections
- EN 50155, IEC 60571 certified
- EN 45545, JIS E 5006 compliant

Specifications

Computing System	CPU	Intel®Dual Core i7-6600U Processor (3.40GHz)/Intel®Dual Core i7-7600U Processor (3.90GHz)
	BIOS	AMI EFI 64Mbit
	Memory	DDR4 1600MHz / 1866MHz 260-pin SODIMM (Up to 16GB)
Storage	mSATA	1 x mSATA socket
	SSD	Expansion Module for 2.5" SSD drive bay (Optional)
Graphics	Chipset	Intel®HD Graphics
	Graphic Engine	DirectX11, OpenGL 3.2/4.X
	Display Output	DVI-D / DVI-D
	Dual Display	Yes
Ethernet	LAN1.LAN2	10 / 100 / 1000 Mbps , Intel 210IT Ethernet controller (M12 X-coded connector)
	LAN3-LAN6	10 / 100 / 1000 Mbps , Intel 210IT Ethernet controller, with POE 802.3 af (M12 X-coded connector)
Expansion Function	GPS	Yes (Optional)
	Wi-Fi	WLAN 802.11 a/b/g/n (Optional)
	LTE	2 x Cellular Module with Micro SIM slot (Optional)
Audio	Codec	Realtek ALC888, High Definition Audio
	Connector	Line-out, Mic-in, Line-in (DB9)
I/O Interface	Serial Port	2 x RS-232 / 422 / 485 ports with auto flow control
	USB	2 x USB 3.0 ports (Type-A), 1 x USB 2.0 (M12)
Digital I/O	Input/ Output	4-ch/ 4-ch, isolated (DB9)
Software	Microsoft	Windows 8.1, Windows 8 Embedded, Windows 10
	Linux	Linux 3.x
Power	Connector	M12 with 4 poles
	Power Input Voltage	24Vdc, 48Vdc, 72Vdc, 110Vdc (±40%, selectable)
Other	Watchdog Timer	255 Levels Timer Interval (Setup by software)
	Security	Hardware Embedded (Optional)
Environment	Operating Temperature	EN 50155 TX : -40°C ~70°C (85°C for 10 Minutes)
	Storage Temperature	-40°C to 85°C
	Relative Humidity	95% @40°C (Non-Condensing)
	Vibration, Shock	MIL-STD-810G, EN 50155
Physical Characteristics	Construction	Aluminum Housing
	Dimensions (W x H x D)	313 x 127 x 180mm / 12.3 x 5 x 7in
	Weight	7kg / 15.4lb
Certifications	Railway Related	EN 50155, EN 50121, IEC 61373, IEC 60571, (EN 45545, JIS E 5006 compliant)
	EMC, Safety	CE/FCC Class A, UL

Dimensions

Unit: mm



Front/Rear View



Ordering Information

Voltage	Part Number	Processor	DDR4 8GB	mSATA 32GB	Dual DVI	LAN	COM	USB	Audio	WWAN	Wi-Fi	GPS
24V	ARS-2620-10A1E	Intel® i7-6600U	v	v	v	v	v	v	v	0	0	0
48V	ARS-2620-20A1E	Intel® i7-6600U	v	v	v	v	v	v	v	0	0	0
72V	ARS-2620-30A1E	Intel® i7-6600U	v	v	v	v	v	v	v	0	0	0
110V	ARS-2620-40A1E	Intel® i7-6600U	v	v	v	v	v	v	v	0	0	0

0: Optional

Optional Modules

Voltages	Part Number
AIO-SSD120-00A1E	Single SSD carrier with DIO 3In/3Out for ARS-26 Series
AIO-COM220-00A1E	Dual COM ports with isolation for ARS-26 Series
AIO-MVB120-00A1E	MVB ports with Isolation for ARS-26 Series
AIO-CAN220-00A1E	Dual CAN ports with Isolation for ARS-26 Series

Advantech provides customization services for expansion modules with desired I/O.

- For sales inquiries or further information, please contact us: Rail@advantech.com.tw