

ARS-2620

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



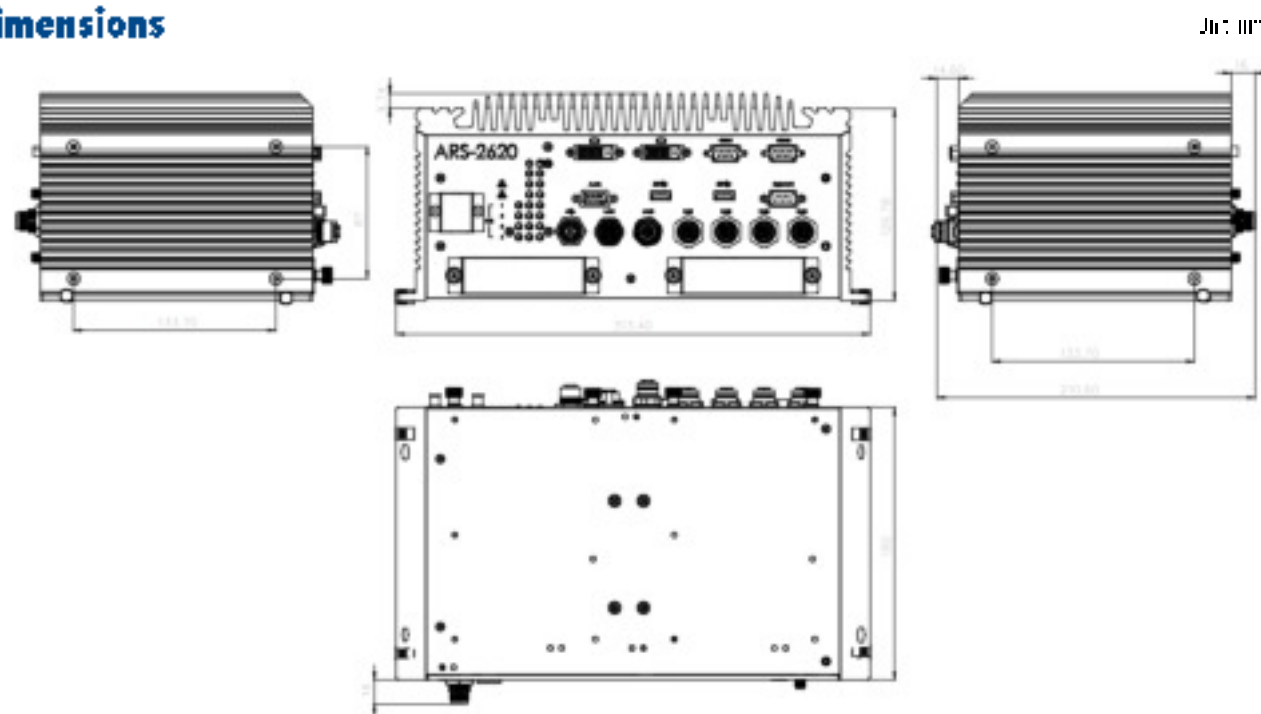
Features

- Intel® Core™ i7-6600U/i7-7600U processor
- SO-DIMM 2x4 16GB High-Speed Up to 192G
- 3x independent displays: DVI-D and 2xHDMI
- 6x GbE LAN ports with PoE, 2x USB 3.1x, 2x SATA 6G and 2x COM ports
- 2x mini PC card 1x mSATA and 1x SATA
- Support GPS With 2x Antennas (Optional)
- Support 2x25.5 SSD (optional) or 1x 2.5" (Optional)
- eNucleus™ input (max 2x 485/232/1-485/RS485)
- eNucleus™ output (max 40000/40000/20000/40000)
- Redundant power supply positions
- eNucleus™, RS-485/RS-422 control
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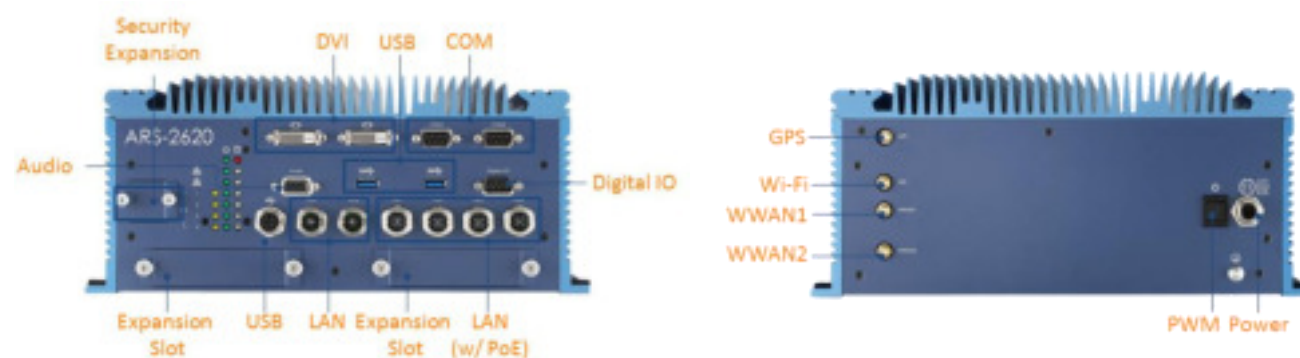
Specifications

Computing System	CPU	Intel® Core™ i7-6600U Processor (400MHz) Intel® Core™ i7-7600U Processor (500MHz)
	BIOS	AMI® eFlash BIOS
	Memory	DDR4 16GB/8GB/4GB High-Speed Up to 192GB
Storage	mSATA	1x miniSATA (Optional)
	SSD	external 2.5" SATA SSD (Optional)
Graphics	On-board	Intel® HD Graphics
	Graphic Output	DirectML™, OpenGL 4.5, DirectX
	Display Output	2x HDMI 2.0b
	Display Adapter	N/A
Ethernet	LAN 1/LAN 2	10/100/1000 Mbps Intel® i210 Ethernet controller (V12 2x-4x-6x-8x-10G)
	LAN 3/LAN 6	10/100/1000 Mbps Intel® i210 Ethernet controller with PoE (2x-4x-6x-8x-10G)
Expansion Function	GPS	N/A (Optional)
	Wi-Fi	Wi-Fi 802.11 a/b/g/n (Optional)
	4G	2x 4G LTE module with Micro-SIM slot (Optional)
Audio	Codec	Realtek ALC883 High Definition Audio
	On-board	Line-in, Line-out, Line-in/Line-out
I/O Interface	Serial Port	2x RS-232/422/485 ports with auto flow control
	USB	2x USB 3.0 ports (1x USB 3.0, 1x USB 2.0/4/12)
Input/Output	Input Device	4x 1x4x1 (Optional: USB)
Software	OS Support	Windows 8.1, Windows 10 Embedded, Windows 10
	Linux	Linux 64
Power	On-board	V12 2x 110W (max)
	Power Input Voltage	24Vdc, 48Vdc, 72Vdc, 115Vdc/60Hz, 200Vdc
Other	Monitor Input	255 levels 1x external (Setup: eNucleus™)
	Security	Hardware Security (Optional)
Environment	Operating Temperature	eNucleus™: -40°C~70°C (32°F~164°F) Intel®: 0°C~60°C
	Storage Temperature	-40°C~80°C
	Relative Humidity	5%~95%RH (non-condensing)
	Vibration Shock	V12: 2x 1G eNucleus™
Physical Characteristics	Construction	Aluminum Housing
	Dimensions (W x H x D)	315x 215x 100mm (12.3x 8.5x 4.0")
	Weight	1.0kg/2.2lb
Certification	Railway Model	eNucleus™: EN 50155, IEC 61373, IEC 60067, EN 12556, RS-485/RS-422 control
	eNucleus™	CE, FCC, RoHS, AUL

Dimensions



Front/Rear View



Ordering Information

Voltage	Part Number	Processor	DDR4 GBE	mSATA GBE	Dual ON	LAN	COM	USB	Audio	WWAN	WiFi	GPS
24V	ARS-2620-1710	i7™ v8_2U	✓	✓	✓	✓	✓	✓	✓	0	0	0
12V	ARS-2620-2110	i7™ v8_2U	✓	✓	✓	✓	✓	✓	✓	0	0	0
12V	ARS-2620-4110	i7™ v8_2U	✓	✓	✓	✓	✓	✓	✓	0	0	0
12V	ARS-2620-1710	i7™ v8_2U	✓	✓	✓	✓	✓	✓	✓	0	0	0

Optional Modules

Voltage	Part Number
24V/12V/24V/12V	Single 6GB module with 2GB DDR4 and 4GB 2.5Gb/s
24V/12V/24V/12V	Dual 3GB module with 2GB DDR4 and 4GB 2.5Gb/s
24V/12V/24V/12V	4GB DDR4 module with 4GB 2.5Gb/s
24V/12V/24V/12V	Dual 2GB module with 4GB 2.5Gb/s

Advanced provides customizer service for expanded modules with detailed PC.

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