

ARTS-3672W

Fanless Train PC with Intel® Core™ i7-2610UE



Features

- **Fanless and rugged design**
- M12 connector for DC power input with isolated protection
- Isolated RS-232/485 and GPIO
- Outside accessible CFast and SIM slot supported
- Optional Wi-Fi or HSUPA wireless connection supported
- Power on/off delay control
- Removable Bay : 2 x 2.5" drive bays for SATA SSD
- Compliant with EN50155
- Intel® SSD compatible

System

CPU	Soldered onboard Intel® Core™ i7-2610UE 1.5GHz
Memory	1 x 204-pin SO-DIMM socket, supporting DDR3 1066/1333 MHz, up to 8GB SDRAM
Chipset	Intel® PCH QM67
Graphics	Integrated Intel® HD Graphics 3000
SATA	2 x Serial ATA ports with 300MB/s HDD transfer rate 2 x Serial ATA ports with 600MB/s HDD transfer rate
Connectivity	802.11 a/b/g/n Wireless LAN Mini-card (optional) HSUPA (3.75G) Mini-card (optional)
LAN Chipset	1 x Intel® 82579LM GbE PHY controller 2 x Intel® 82583V GbE controller
Watchdog Timer	1~255 levels reset

I/O

Serial Port	1 x RS-232/485 port with DB-9 connector, rear side, 2.5 KV isolated protection 3 x RS-485 ports with M8-female 3P connectors, rear side, IP67, 2.5 KV isolated protection
USB Port	2 x type A USB 2.0 ports, front side 2 x M8-female 4P connectors, IP67, rear side
LAN	1 x RJ-45 port for GbE, front side 2 x M12-female 8P connectors, IP67 for GbE, rear side, supporting WOL
Video Port	1 x DVI-I female connector with DVI-D and VGA output
Digital I/O	1 x 10-bit digital I/O (6 in/4 out) with DB-15 female connector, 2KV isolated protection
Antenna	4 x SMA-female connectors' holes for external antennas
Audio	1 x M12-female 8P connector, IP67 for mic-in & line-out (6W pre-amplified)
Expansion Bus	1 x Mini-PCIe slot for optional Wi-Fi/GPS module 1 x Mini-PCIe slot interconnected with a SIM card socket for optional HSUPA/LTE module 1 x SIM socket (outside accessible)

Environmental

Operating Temp.	-40 ~ 70°C (-40 ~ 158°F), ambient w/ air flow, EN50155 ClassTX
Storage Temp.	-40 ~ 80°C (-40 ~ 185°F)
Relative Humidity	5 ~ 95% @ 70°C (non-condensing)
Damp Heat	55°C, 95% RH (non-operating, EN 50155-10.2.5)
Vibration	EN61373 Category 1 Class B
Shock	EN61373 Category 1 Class B

Qualification

Certification	CE, FCC Class A, Compliant with EN50155
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Power Requirement

Power Input	DC 9~36V input, w/ M12 connector, 2KV isolated protection
Power Consumption	Max. 50W
Power Management	Power on/off delay controlled by software

Storage

Type	2 x 2.5" external removable drive bays for SATA SSD 1 x SATA port for SATA DOM 1 x outside accessible CFast socket with cover
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Mechanical

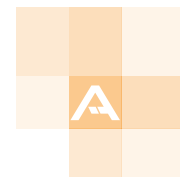
Construction	Aluminum alloy
Mounting	Wall-mount
Weight	5.07Kg (11.15 lb)
Dimensions (W x D x H)	254.6 x 208 x 90 mm (9.99" x 8.18" x 3.54")

OS Support

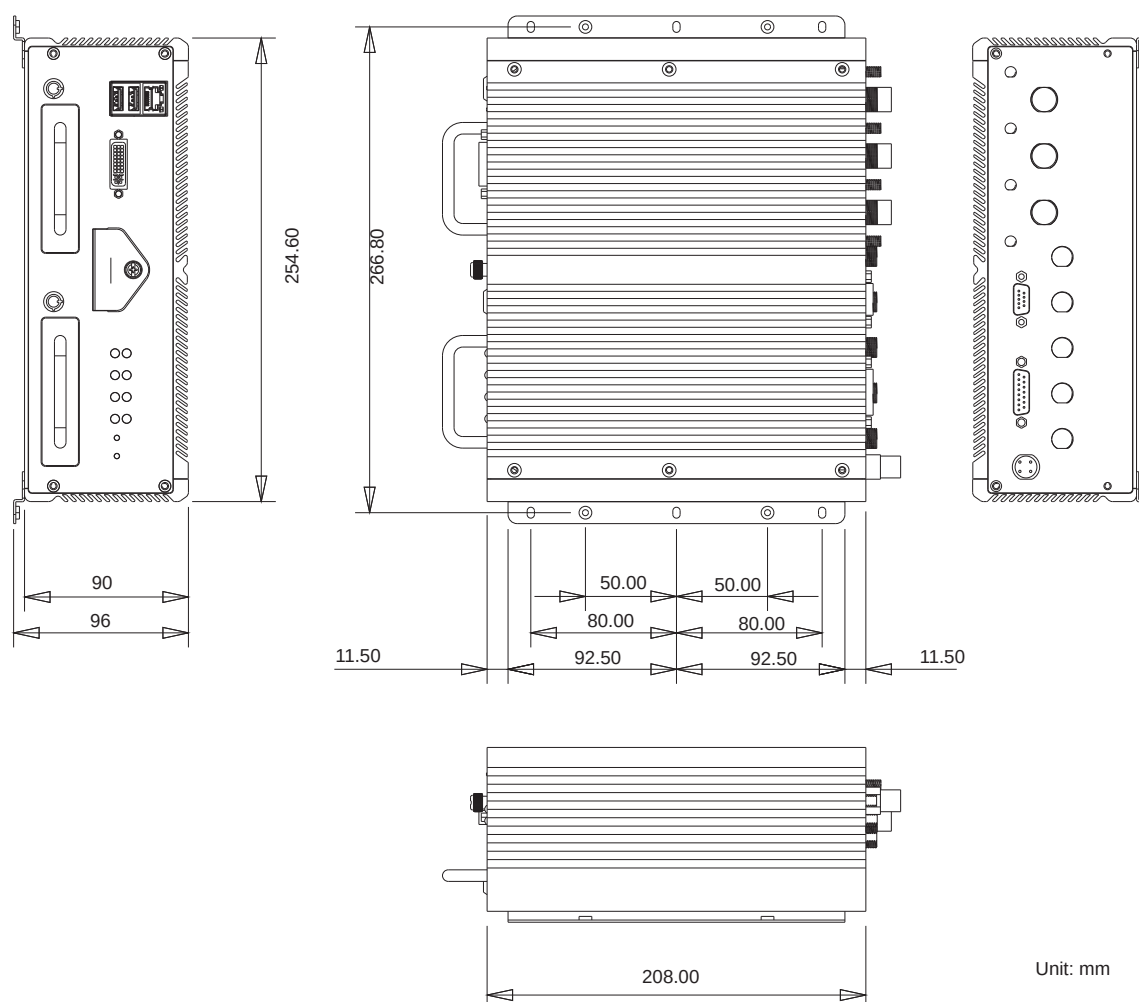
XPe / WS7E / Linux (Kernel 2.6X)	
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Ordering Information

ARTS-3672W	Train PC barebone system w/ Intel® Core™ i7-2610UE, barebone
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Dimensions



Unit: mm

Optional Accessory

IPS-RSD-100D-12 12V/8.4A 100W DC-DC Power Converter



Optional Configuration (CTOS* Kit)

SSD-25032 Memoright 2.5" 32GB SATAII SSD kit



WIFI-AT2350 Atheros AR9462 Wi-Fi module w/ 20cm & 30cm internal wires



HSPA-SI1400 HSUPA 3.75G module kit & internal wire



ANT-D11 1 x Wi-Fi Dual-band 2.4G/5G antenna



ANT-H11 1 x 2dBi HSUPA antenna



MM-3I-4G Industrial-grade DDR3-1333 4GB SDRAM



MM-3I-8G Industrial-grade DDR3-1600 8GB SDRAM



GPS-mPCIe Kit LOCOSYS GPS Kit w/ IPEX-SMA cable and antenna



*CTOS means Configure-to-Order Service.