

ARTS-3250

Fanless Train PC with Intel® Dual Core Atom™ D2550



Features

- Fanless and rugged design
- M12 connector for DC power input with isolated protection
- Isolated RS-232/485 and GPIO
- Support Outside Accessible CFast and SIM Slot
- Support Optional WiFi or HSUPA wireless connection
- Support power on/off delay control
- Compliant with EN50155

System

CPU	Soldered onboard Intel® Dual Core Atom™ D2550 1.86GHz
Memory	1 x 204-pin SO-DIMM sockets, supporting DDR3 800/1066 MHz, up to 4GB SDRAM
Chipset	Intel® NM10 for D2550
Graphics	Integrated Intel® HD Graphics 3650 for D2550
SATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
Connectivity	802.11 b/g/n Wireless LAN Mini-card (optional) HSUPA (3.75G) Mini-card (optional)
LAN Chipset	Intel® 82583V Gigabit Ethernet 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 USB 2.0 ports type A connector, front side 2 x M8-Female 4P connector, IP67, rear side
LAN	1 x RJ-45 port for Gigabit Ethernet, front side 2 x M12-Female 8P connectors, IP67 for Gigabit Ethernet, rear side, support 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 WiFi/GPS module 1 x Mini-PCIe slot interconnected with 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-TX
Storage Temp.	-40 ~ 80°C (-40 ~ 185°F)
Relative Humidity	5 ~ 95% @ 40°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	1 x 2.5" drive bay for SATA SSD 1 x SATA port for SATA DOM 1 x outside accessible CFast socket with protection cover
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Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mount
Weight	4.3 kg (9.47 lb)
Dimensions (W x D x H)	254.6 x 208 x 70 mm (9.99" x 8.18" x 2.75")

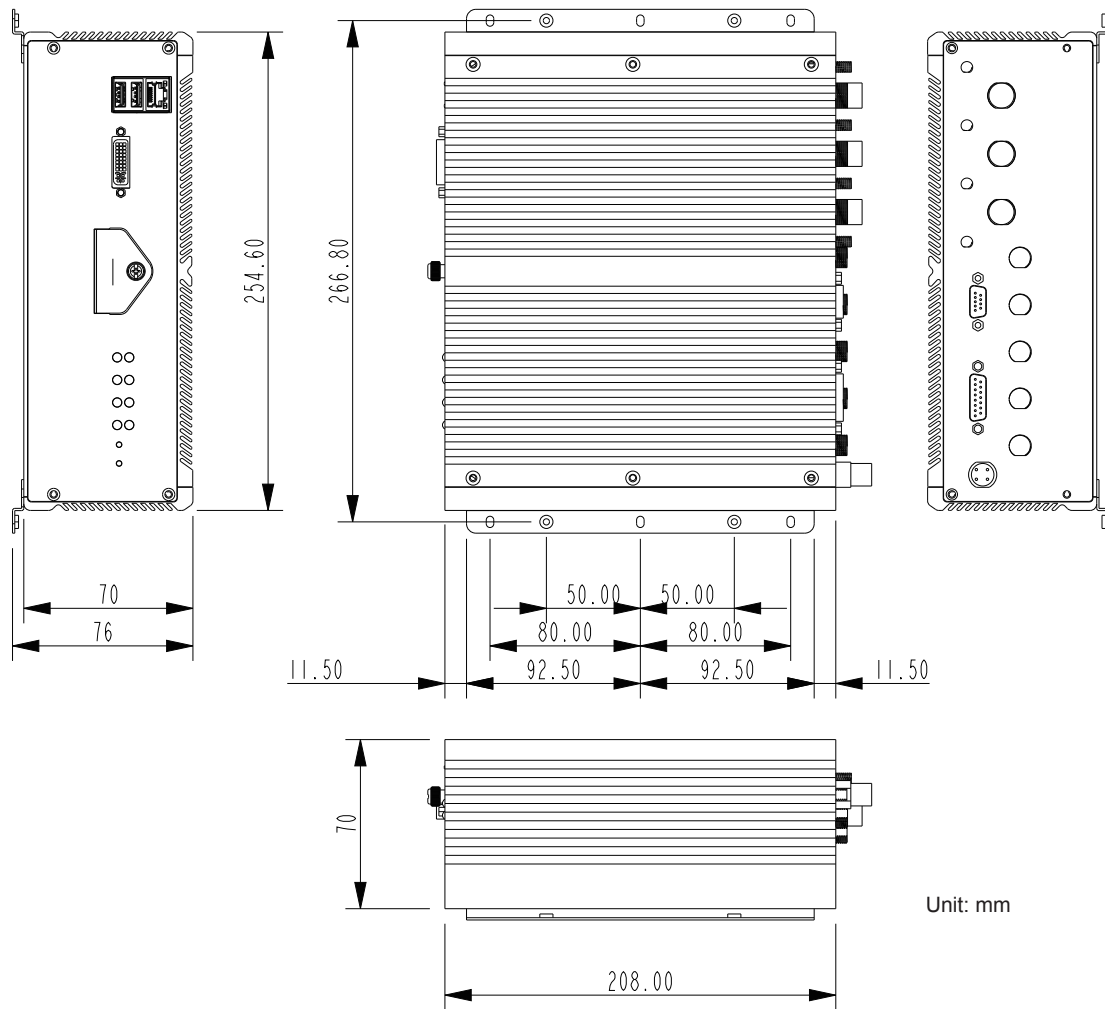
OS Support

Windows XP Embedded Standard/Windows Embedded standard 7E
Linux Kernel 2.6X

Ordering Information

ARTS-3250	Train PC Barebone system w/ Intel® Atom™ D2550, w/o storage device and memory
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Dimensions



Optional Accessory

PAC-P120W-FSP 19V/5.96A 120W AC/DC adapter kit



Optional Configuration (CTOS* Kit)

SSD-25032 Memoright 2.5" 32GB SATAII SSD kit



SSD-25016 Memoright 2.5" 16GB SATAII SSD kit

WIFI-IN1350 Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm & 30cm internal wires



HSPA-SI1400 HSUPA 3.75G module kit & internal wire



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



ANT-H11 1 x 2dBi HSUPA antenna

2GB SO-DIMM Industrial DDR3-1333 2GB SDRAM



4GB SO-DIMM Industrial DDR3-1333 4GB SDRAM

*CTOS means Configure to Order Service.