

# 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

<b>CPU</b>	Soldered onboard Intel® Dual Core Atom™ D2550 1.86GHz
<b>Memory</b>	1 x 204-pin SO-DIMM sockets, supporting DDR3 800/1066 MHz, up to 4GB SDRAM
<b>Chipset</b>	Intel® NM10 for D2550
<b>Graphics</b>	Integrated Intel® HD Graphics 3650 for D2550
<b>SATA</b>	2 x Serial ATA ports with 300MB/s HDD transfer rate
<b>Connectivity</b>	802.11 b/g/n Wireless LAN Mini-card (optional) HSUPA (3.75G) Mini-card (optional)
<b>LAN Chipset</b>	Intel® 82583V Gigabit Ethernet controller
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>Serial Port</b>	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
<b>USB Port</b>	2 x USB 2.0 ports type A connector, front side 2 x M8-Female 4P connector, IP67, rear side
<b>LAN</b>	1 x RJ-45 port for Gigabit Ethernet, front side 2 x M12-Female 8P connectors, IP67 for Gigabit Ethernet, rear side, support WOL
<b>Video Port</b>	1 x DVI-I Female connector with DVI-D and VGA output
<b>Digital I/O</b>	1 x 10-bit digital I/O (6 in/4 out) with DB-15 female connector, 2KV isolated protection
<b>Antenna</b>	4 x SMA-Female connectors' holes for external antennas
<b>Audio</b>	1 x M12-Female 8P connector, IP67 for Mic-in & Line-out (6W pre-amplified)
<b>Expansion Bus</b>	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

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

### Qualification

<b>Certification</b>	CE, FCC Class A, Compliant with EN50155
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### Power Requirement

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

### Storage

<b>Type</b>	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

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

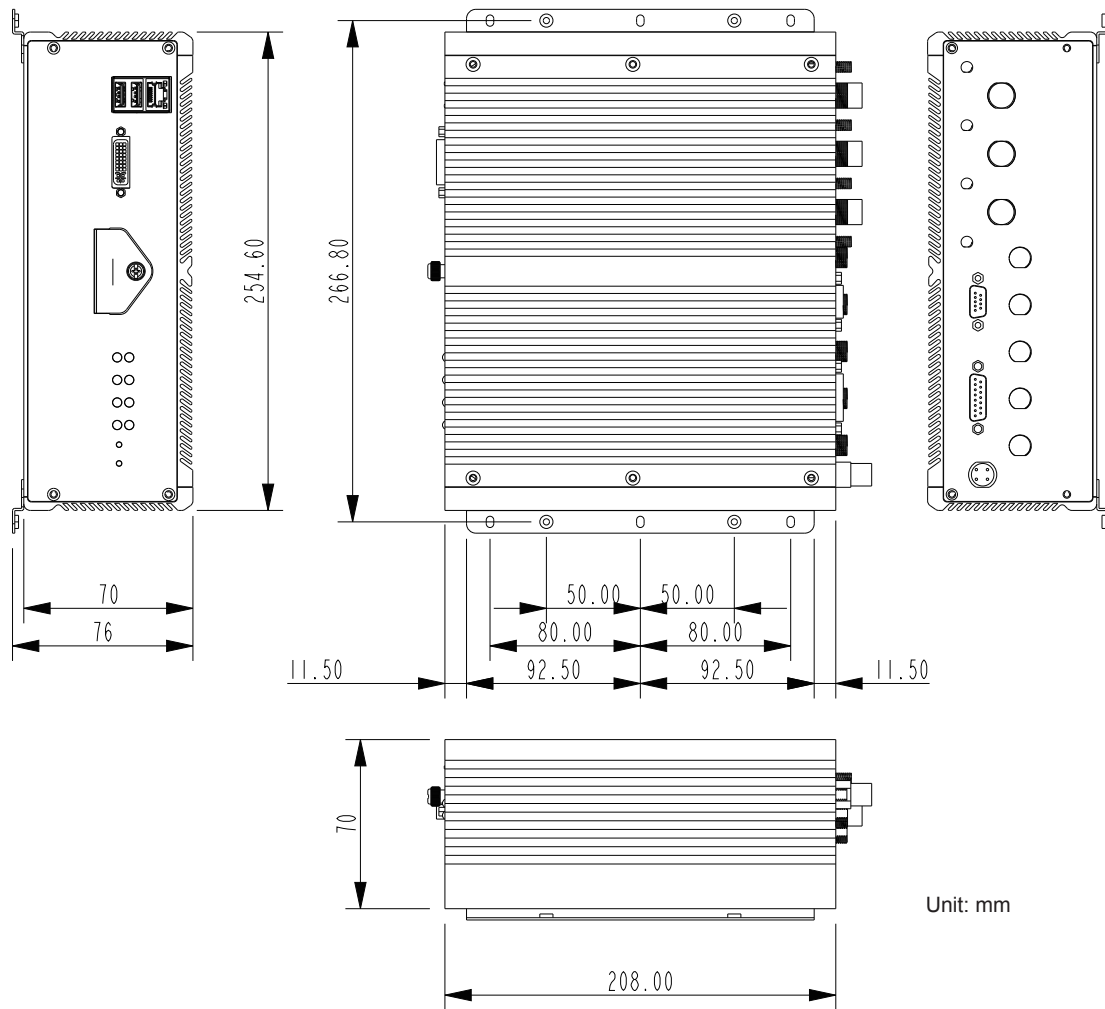
### OS Support

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

### Ordering Information

<b>ARTS-3250</b>	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.