

# ARES-6363

## Robust, Fanless Box PC with Intel® Atom™ D525 Platform



### Features

- Fanless Design
- Rugged Design for Shock/Vibration Protection
- Support 6 x LAN and 6 x Isolated Serial Ports
- RS-485 Auto-flow Function Supported
- Support Various Video Interfaces (Analog RGB, DVI-D)
- Support Optional WiFi or HSUPA Wireless Connection
- Easy Installation/Maintenance
- Intel® SSD Compatible

### System

<b>CPU</b>	Soldered onboard Intel® Atom™ D525 1.8GHz processor
<b>Memory</b>	1 x 204-pin DDR3 SO-DIMM socket, supporting 800MHz SDRAM up to 2GB
<b>Chipset</b>	Intel® ICH8M
<b>Graphics</b>	Integrated Intel® GMA3150
<b>ATA</b>	2 x Serial ATA ports with 300MB/s HDD transfer rate
<b>LAN Chipset</b>	4 x Realtek 8111 GbE controllers 2 x Realtek 8100 10/100 Base-T Ethernet controllers
<b>Watchdog Timer</b>	1~255 levels reset
<b>I/O</b>	2 x DB-9 male connectors, 1 x 2x10 terminal block connector
<b>Serial Port</b>	Support 6 x RS-232 ports, all are isolated. (COM1~2 are RS-232, COM3~6 are RS-232/422/485 selectable)
<b>USB Port</b>	4 x USB 2.0 ports
<b>LAN</b>	4 x RJ-45 ports for GbE 2 x RJ-45 ports for 10/100 Base-T Ethernet
<b>Video Port</b>	1 x DB-15 female connector for Analog RGB 1 x DVI-D female connector for Digital Video output
<b>Digital I/O</b>	1 x 16-bit digital I/O, 8 in/8 out
<b>Audio</b>	Mic-in/Line-out/Line-in
<b>Expansion Bus</b>	1 x PCI slot & 1 x PCIe x1 slot (EP) or 2 PCI slots (2P) 1 x Mini-card slot interconnected with SIM card socket for optional WiFi or HSUPA module 1 x SIM socket 1 x PCI104

### Environmental

<b>Operating Temp.</b>	-20 ~ 60°C (-4 ~ 140°F), ambient w/ air flow
<b>Storage Temp.</b>	-40 ~ 80°C (-40 ~ 176°F)

<b>Operating Humidity</b>	10 ~ 95% @ 60°C (non-condensing)
<b>Vibration</b>	2 Grms@IEC-68-2-34, random wave, 5~500 Hz, 1 hr per axis
<b>Shock</b>	Operating 20G (11ms)@IEC-68-2-27, half sine wave

### Qualification

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

<b>Power Input</b>	DC 9~36V input (w/ 4-pin DC input terminal block, combining remote power on/off switch)
<b>Power Consumption</b>	Max. 35W (w/o I/O card)

### Storage

<b>Type</b>	2 x 2.5" drive bays for HDD/SSD 1 x SATA port for SATA DOM 1 x 4GB NAND Flash, upgradable to 8GB (optional)
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### Mechanical

<b>Construction</b>	Aluminum alloy
<b>Mounting</b>	Support wall-mount
<b>Weight</b>	4 kg (8.8 lb)
<b>Dimensions (W x D x H)</b>	254 x 187 x 100 mm (10" x 7.36" x 3.93")

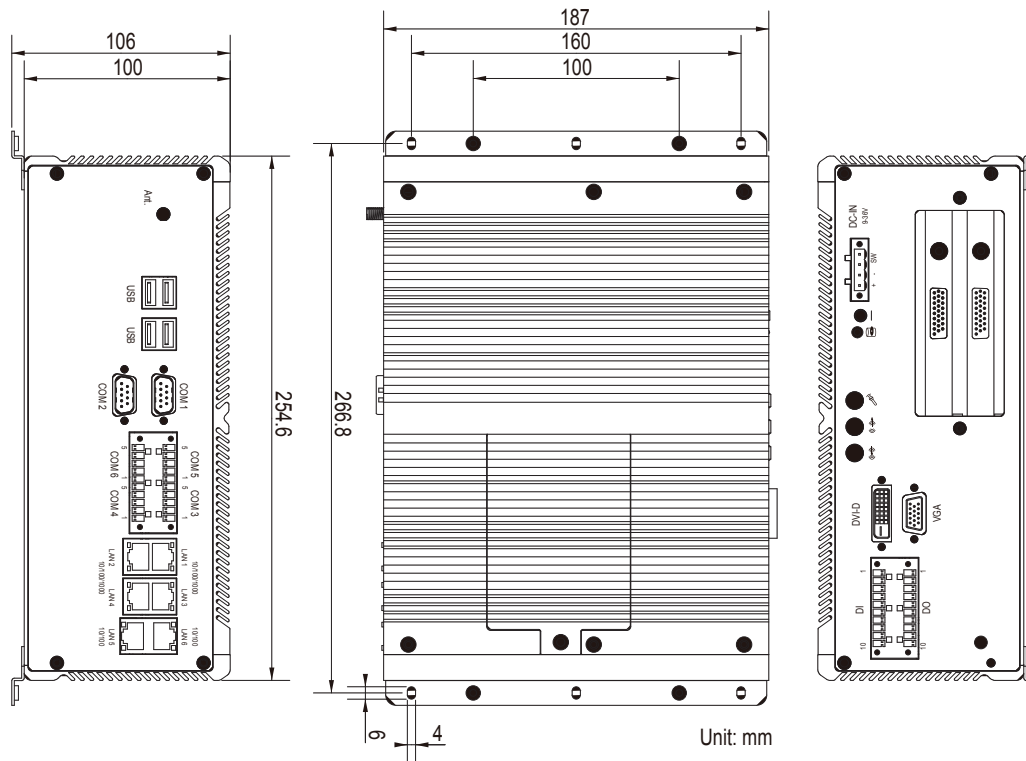
### OS Support

Windows XP Embedded / Windows XP Professional / Windows Embedded 7 Professional / Windows Embedded 7 Standard




### Ordering Information

<b>ARES-6363-EP</b>	Barebone system w/ 6 x LAN, PCI + PCIe
<b>ARES-6363-2P</b>	Barebone system w/ 6 x LAN, 2 x PCI

# Dimensions



## Optional Accessories

<b>PAC-B120W-FSP</b>	19V/6.32A 120W AC/DC adapter kit	
<b>PAC-B065W</b>	19V/3.4A 65W AC/DC adapter kit	
<b>WMK-5000</b>	Wall-mount kit for FPC-5XXX Series	

## Optional Configuration (CTOS\* Kit)

<b>SSD-25040</b>	Intel® 2.5" 40GB SATAII SSD kit	
<b>HSPA-SI1400</b>	HSUPA 3.75G module kit & internal wiring	
<b>WIFI-IN1300</b>	Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring	
<b>ANT-D11</b>	1 x WiFi Dual-band 2.4G/5G antenna	
<b>ANT-H11</b>	1 x 2dBi HSUPA antenna	
<b>2GB SO-DIMM</b>	DDR3-1333 2GB SDRAM	

\*CTOS means Configure-to-Order Service.

