

# ARES-63x3 Series

## 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 Gigabit Ethernet controllers 2 x Realtek 8100 10/100 Base-T Ethernet controllers
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>Serial Port</b>	2 x DB-9 male connectors, 1 x 2x10 terminal block connectors 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>	2/4 x RJ-45 ports for Gigabit Ethernet (2 for ARES-6323; 4 for ARES-6343/6363) 2 x RJ-45 ports for 10/100 Base-T Ethernet (ARES-6363 only)
<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 or 2 PCI slots 1 x Mini-card slot coming along 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>Relative Humidity</b>	5 ~ 95% @ 40°C (non-condensing)
<b>Vibration</b>	2 g rms@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>	By Request: CCC (GB4943, GB9254, GB17625.1), EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 55024, RoHS, CRoHS, WEEE 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 combine 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 bay for HDD/SSD 1 x SATA port for SATA DOM 1 x 4GB NAND Flash, upgradable to 8GB
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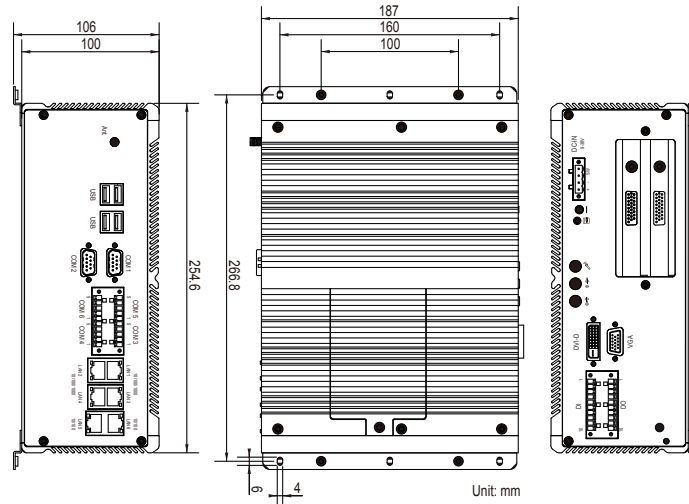
### Mechanical

<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")

### Ordering Information

<b>ARES-6323-EP</b>	Barebone system w/ 2 x LAN, PCI + PCIe w/o storage device, memory, COM port isolated
<b>ARES-6323-2P</b>	Barebone system w/ 2 x LAN, 2 x PCI w/o storage device, memory, COM port isolated
<b>ARES-6343-EP</b>	Barebone system w/ 4 x LAN, PCI + PCIe
<b>ARES-6343-2P</b>	Barebone system w/ 4 x LAN, 2 x PCI
<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

**PAC-B120W-FSP**  
120W AC/DC adapter kit



**Power Input** 100 ~ 240 VAC  
**Power Output** 19VDC, 6.32A, 120W

**PAC-B065W**  
65W AC/DC adapter kit



**Power Input** 100 ~ 240 VAC  
**Power Output** 19VDC, 3.4A, 65W

**WMK-5000**  
Wall-mount kit for FPC-5XXX Series



**Material** SPCC+Ni  
**Dimensions (W x D x H)** 264 x 28.5 x 6 mm  
(10.39" x 1.12" x 0.23")

## Optional Configuration (CTOS\* Kit)

**SSD-25040**  
Intel® 2.5" 40GB SATAII SSD kit



**Brand/Type** Intel / 2.5 inch  
**Interface** SATAII  
**Capacity** 40GB  
**Dimensions (W x D x H)** 100.45 x 69.85 x 9.5 mm  
(3.95" x 2.75" x 0.37")

**HSPA-SI1400**



**HSUPA 3.75G module kit & internal wiring**

**WIFI-IN1300**



**Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring**

**ANT-H11**



**1 x 2dBi HSUPA antenna**

**ANT-D11**



**1 x WiFi Dual-band 2.4G/5G antenna**

\*CTOS means Configure to Order Service.



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