

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

CPU	Soldered onboard Intel® Atom™ D525 1.8GHz processor
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 800MHz SDRAM up to 2GB
Chipset	Intel® ICH8M
Graphics	Integrated Intel® GMA3150
ATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
LAN Chipset	4 x Realtek 8111 GbE controllers 2 x Realtek 8100 10/100 Base-T Ethernet controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x DB-9 male connectors, 1 x 2x10 terminal block connector Support 6 x RS-232 ports, all are isolated. (COM1~2 are RS-232, COM3~6 are RS-232/422/485 selectable)
USB Port	4 x USB 2.0 ports
LAN	4 x RJ-45 ports for GbE 2 x RJ-45 ports for 10/100 Base-T Ethernet
Video Port	1 x DB-15 female connector for Analog RGB 1 x DVI-D female connector for Digital Video output
Digital I/O	1 x 16-bit digital I/O, 8 in/8 out
Audio	Mic-in/Line-out/Line-in
Expansion Bus	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

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

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

Qualification

Certification	CE, FCC Class A
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Power Requirement

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

Storage

Type	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

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

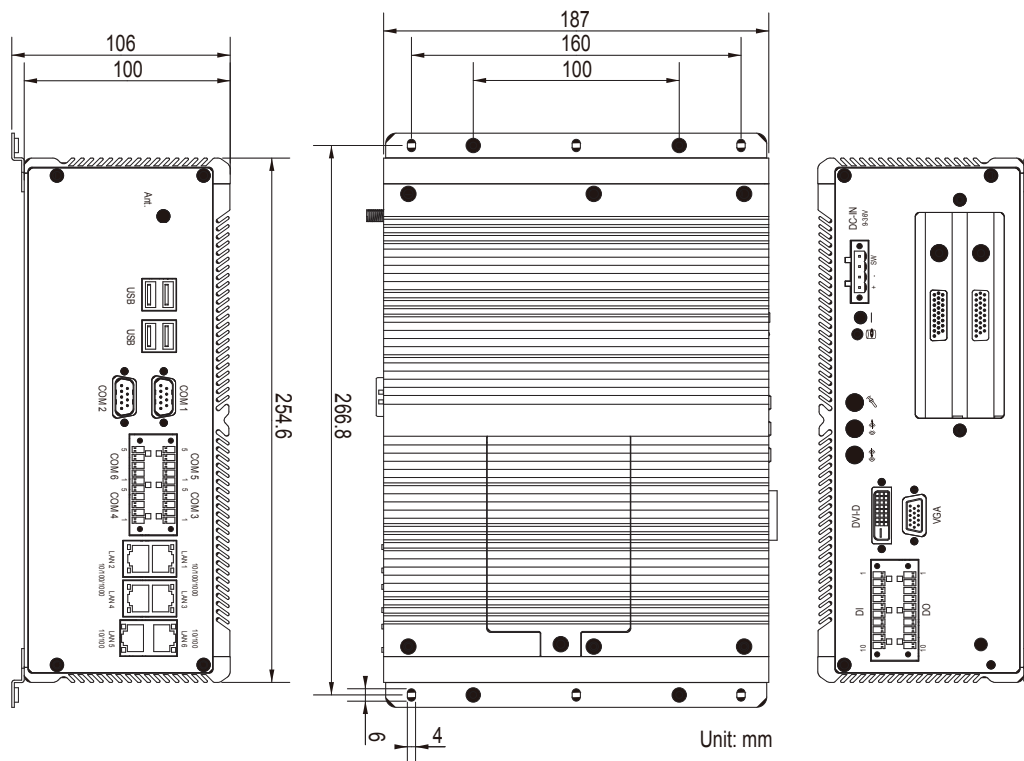
OS Support

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

Ordering Information

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

Dimensions



Optional Accessories

PAC-B120W-FSP 19V/6.32A 120W AC/DC adapter kit

PAC-B065W 19V/3.4A 65W AC/DC adapter kit

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



Optional Configuration (CTOS* Kit)

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



HSPA-SI1400 HSUPA 3.75G module kit & internal wiring



WIFI-IN1300 Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring



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



ANT-H11 1 x 2dBi HSUPA antenna



2GB SO-DIMM DDR3-1333 2GB SDRAM



*CTOS means Configure-to-Order Service.



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