

ARES-6363

Robust Fanless Box PC with Intel® Atom™ Processor D525 Platform



Features

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

System

CPU	Soldered onboard Intel® Atom™ Processor D525 1.8GHz
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	COM1 and COM2 are RS-232 via two DB-9 male connectors. COM3 to COM6 are RS-232/422/485 configurable via one 2x10-pin terminal block. All six serial ports all are isolated.
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 socket interconnected with SIM card socket for optional Wi-Fi or HSUPA module 1 x SIM socket 1 x PCI/104

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	3G rms/5~500Hz /random Operation
Shock	Operating 40G (11 ms) Non-operation 60G with SSD

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

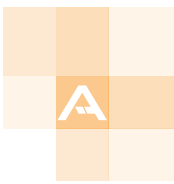
Construction	Aluminum alloy
Mounting	Wall-mount
Weight	4 kg (8.8 lb)
Dimensions (W x D x H)	254 x 187 x 100 mm (10" x 7.36" x 3.93")

OS Support

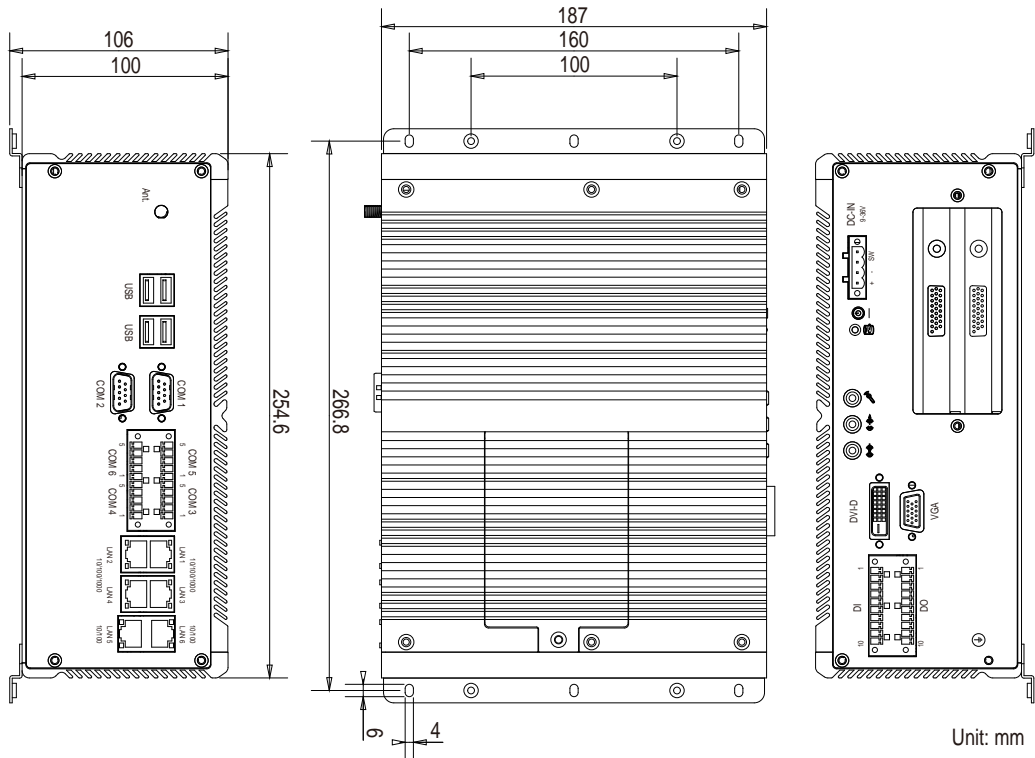
XPe / XP Pro / W7 Pro / WS7E

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)

80GB SSD	Intel® 2.5" 80GB SATAIII SSD kit	
HSPA-SI1400	HSUPA 3.75G module kit & internal wiring	
WIFI-AT2300	Atheros AR9462 Wi-Fi module w/ 20cm internal wiring	
ANT-D11	1 x Wi-Fi dual-band 2.4G/5G antenna	
ANT-H11	1 x 2dBi HSUPA antenna	
MM-3C-2G	DDR3-1333 2GB SDRAM	

*CTOS means *Configure-to-Order Service*.

