

ARES-1500-A10/B10

Robust Box PC with AMD G-T40N Platform



Features

- **Fanless Design**
- Ultra Low Profile Enclosure
- AMD G-T40N Dual-Core 1GHz Processor
- Rich I/O (4 x USB, 4 x COM, 2 x GbE LAN, DVI-I, 2 x Mini-card)
- Fanless with Aluminum Chassis Design Suitable for Harsh Environment
- Optional WiFi or 3G Connection supported
- Slim, Compact & Cable-free Design

System

CPU	Soldered onboard AMD G-T40N Dual Core 1.0GHz processor
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 800/1066MHz SDRAM up to 4GB
Chipset	AMD A50M
Graphics	Integrated AMD G-Series
LAN Chipset	2 x Realtek 8111 GbE controllers
Watchdog Timer	1~255 levels reset
I/O	
Serial Port	4 x RS-232 ports (One is RS-232/422/485 configurable.)
USB Port	4 x USB 2.0 ports
LAN	2 x RJ-45 ports for GbE
Video Port	1 x DVI-I female connector for digital video output
Audio	Mic-in/Line-out
Expansion Bus	2 x Mini-card sockets for optional WiFi or HSUPA module. (One is interconnected with a SIM card socket) 1 x SIM socket

Environmental

Operating Temp.	-25 ~ 55°C (-13 ~ 131°F), ambient w/ air flow
Storage Temp.	-35 ~ 65°C (-31 ~ 149°F)
Operating Humidity	10 ~ 95% @ 55°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock	Operating 50G (11ms), Non-operating 80G with SSD

Qualification

Certification	CE, FCC Class A
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Power Requirement

Power Input	A10: DC 12V input by 2.5mm power jack B10: DC 9-36V by 3-pin terminal block
Power Consumption	Max. 20W for A10 Max. 25W for B10

Storage

Type	1 x mSATA socket
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Mechanical

Construction	Aluminum alloy
Mounting	VESA-mount & wall-mount
Weight	1Kg (2.21lb)
Dimensions (W x D x H)	188 x 149.5 x 30mm (7.4" x 5.88" x 1.18")

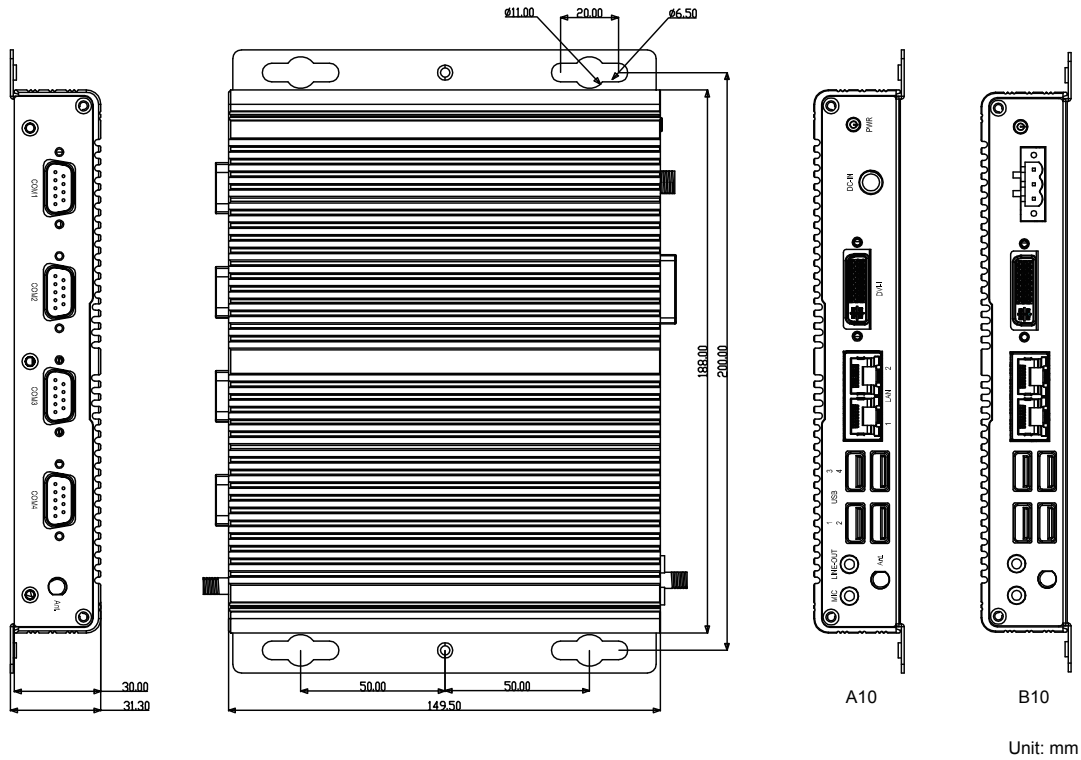
OS Support

Windows XP Embedded / Windows Embedded Standard 7 WS7E
Windows Embedded Standard 7 WS7P

Ordering Information

ARES-1500-A10-16S2G	Box PC w/ 16GB SSD and 2GB memory
ARES-1500-A10	Barebone system w/o storage device and memory
ARES-1500-B10-16S2G	Box PC w/ 16GB SSD, 2GB memory and wide-range DC-in (9~36VDC)
ARES-1500-B10	Barebone system w/o storage device, memory and wide-range DC-in (9~36VDC)

Dimensions



Optional Accessories

PAC-P060W-01 12V/5A 60W AC/DC adapter kit (for A10)



PAC-P065W 19V/3.4A 65W AC/DC adapter kit (for B10)



VMK-1000 VESA mount kit



Optional Configuration (CTOS* Kit)

WIFI-IN1300 Intel® Centrinno® 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



HSPA-SI1400 HSUPA 3.75G module kit & internal wiring



MM-3C-4G DDR3-1333 4GB SDRAM



MM-3C-2G DDR3-1333 2GB SDRAM



16GB SSD mSATA MLC 16GB



32GB SSD mSATA MLC 32GB



GPS-mPCIE Kit LOCOSYS GPS Kit w/ IPEX-SMA cable, Antenna



*CTOS means Configure-to-Order Service.

Mouser Electronics

Authorized Distributor

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