



ARES-1500-A22

Robust Box PC with AMD G-Series APU G-T40N Platform for Digital Signage Player



Features

- **Fanless Design**
- Low Profile Enclosure
- Soldered onboard AMD G-Series APU G-T40N dual-core 1.0GHz
- 6 x USB, 4 x COM, 2 x GbE LAN, 1 x DVI-I, 1 x LVDS, DIO, 4 x Mini-card
- Fanless with Aluminum Chassis Design Suitable for Harsh Environment
- mSATA and SATA storage

System

CPU	Soldered onboard AMD G-Series APU G-T40N dual-core 1.0GHz
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 800/1066MHz SDRAM up to 8GB
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	6 x USB 2.0 ports
LAN	2 x RJ-45 GbE ports
Video Port	1 x DVI-I female connector for digital video output 1 x DB-26 male connector for dual channel 24-bit LVDS
Audio	Mic-in/Line-out
Expansion Bus	4 x Mini-card sockets for optional Wi-Fi / HSUPA module (One is interconnected with a SIM card socket) 1 x SIM socket 1 x 8-bit DIO (4-in/4-out)

Environmental

Operating Temp.	-25 ~ 55°C (-13 ~ 131°F), ambient w/ air flow
Storage Temp.	-35 ~ 65°C (-31 ~ 149°F)
Relative 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	DC 12V input by 2.5mm power jack
Power Consumption	Max. 20W

Storage

Type	1 x mSATA socket 1 x 2.5" Drive bay
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Mechanical

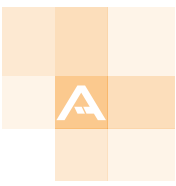
Construction	Aluminum alloy
Mounting	Wall-mount
Weight	1.575 kg (3.465 lb)
Dimensions (W x H x D)	290 x 40 x 150 mm (11.3" x 1.57" x 5.89")

OS Support

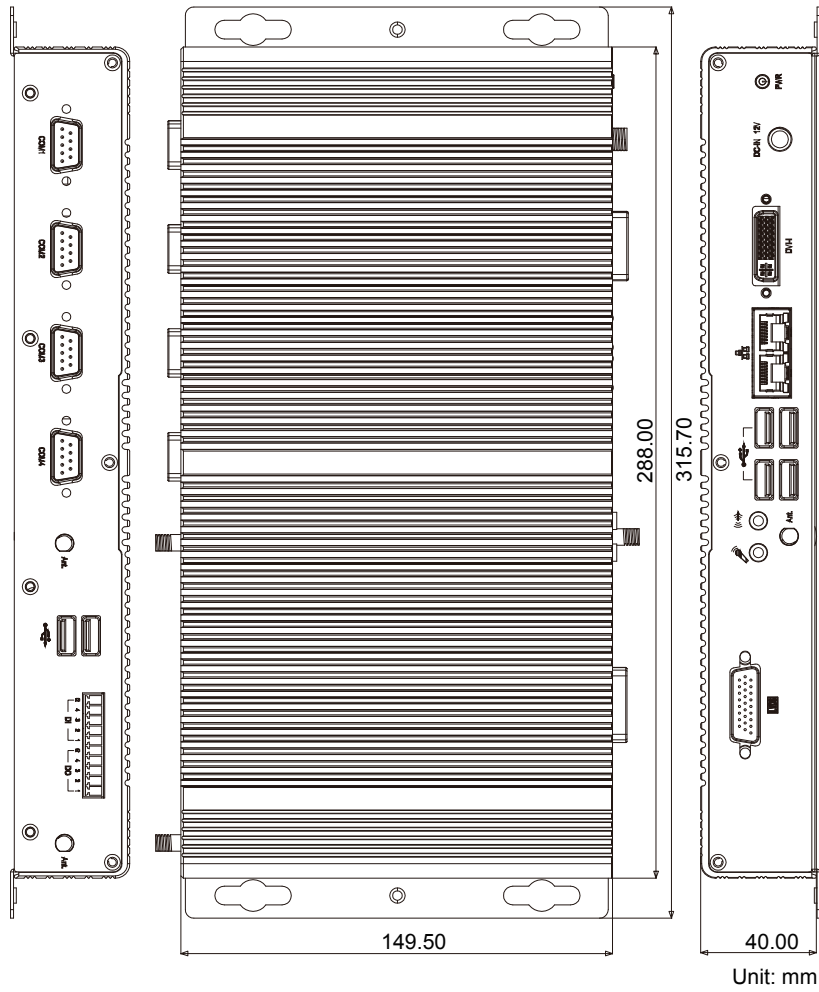
XPe / WS7E / WS7E

Ordering Information

ARES-1500-A22	Module PC for Digital Signage w/o storage device and memory
ARES-1500-A22-16S2G	Module PC for Digital Signage w/ 16G SSD and 2G Memory



Dimensions



Optional Accessories

PAC-P060W-01 12V/5A 60W AC/DC adapter kit



Optional Configuration (CTOS* Kit)

16GB SSD mSATA MLC 16GB



32GB SSD mSATA MLC 32GB

MM-3C-4G DDR3-1600 4GB SDRAM



MM-3C-2G DDR3-1600 2GB SDRAM

WiFi-AT2130 Atheros AR9462 Wi-Fi module w/ 10cm & 20cm internal wiring



HSPA-SI1400 HSUPA 3.75G module kit & internal wiring



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



ANT-H11 1 x 2dBi HSUPA antenna

ANT-D11 1 x Wi-Fi dual-band 2.4G/5G antenna



*CTOS means Configure-to-Order Service.