

# ARES-1500-A23

Robust Box PC with AMD G-Series APU G-T40N Platform for POS Controller



## Features

- Fanless Design
- Low Profile Enclosure
- Soldered onboard AMD G-Series APU G-T40N dual-core 1.0GHz
- Rich I/O (6 x USB, 8 x COM, 2 x GbE LAN, 1 x DVI-I, 3 x Mini-card)
- Fanless with Aluminum Chassis Design Suitable for Harsh Environment
- mSATA and SATA storage
- RJ11 for cash drawer (24V) , 12V output for 2nd monitor

## 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 w/ isolated protection. (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
Audio	Mic-in/Line-out
Expansion Bus	3 x Mini-card socket (One is interconnected with SIM card socket.) 1 x SIM socket 1 x RJ11 for cash drawer (24V) 1 x 12V output for 2nd monitor

## 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. 30W

## Storage

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

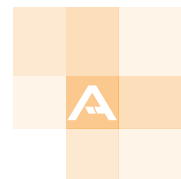
Construction	Aluminum alloy
Mounting	Wall-mount
Weight (Net / Gross)	1.575Kg (3.465lb) / 1.7Kg (3.741lb)
Dimensions (W x D x H)	290 x 150 x 40mm (11.3" x 5.89" x 1.57")

## OS Support

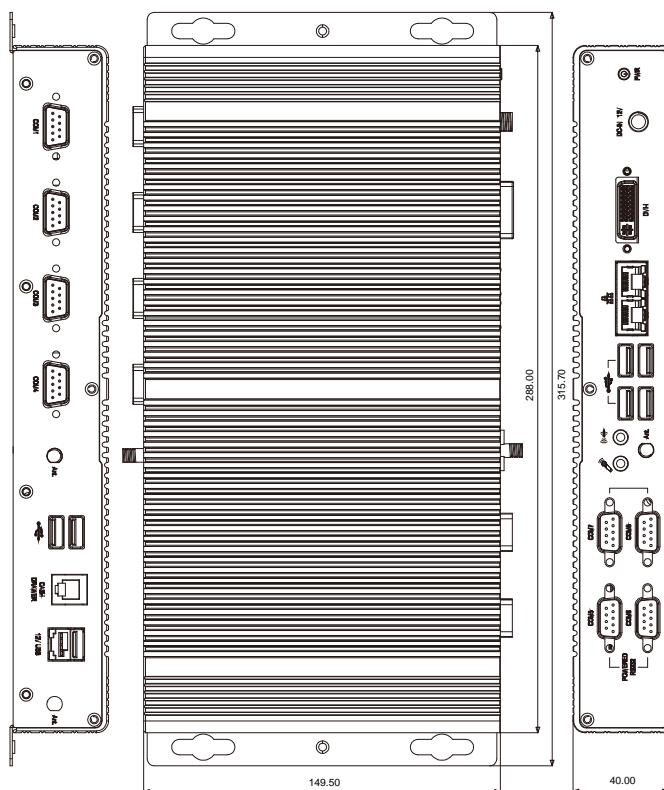
XPe / WS7E / WS7E

## Ordering Information

ARES-1500-A23	Module PC for POS w/o storage device and memory
ARES-1500-A23-16S2G	Module PC for POS w/ full configuration



# Dimensions



Unit: mm

## Optional Accessories

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



## Optional Configuration (CTOS\* Kit)

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



ANT-H11      1 x 2dBi HSUPA antenna



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



HSPA-SI1400      HSPA 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

\*CTOS means Configure-to-Order Service.