ARES-1500-A23

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

Features

- **Fanless Design**
- Low Profile Enclosure
- AMD G-T40N Dual-Core 1GHz Processor
- Rich I/O (6 x USB, 8 x COM, 2 x GbE LAN, 1 x DVI-I, 4 x MiniCard)
- Fanless with Aluminum Chassis Design Suitable for Harsh Environment
- mSATA and SATA storage
- RJ11 for cash drawer (24V) , 12V USB output for 2nd monitor

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 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 (one is RS-232/422/485 configurable) 4 x 5V/12V RS-232 Output (w/ 2.5kv isolation - option)
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	4 x Mini-card slot interconnected with SIM card socket
	1 x SIM socket
	1 x RJ11 for cash drawer (24V)
	1 x 12V USB 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 20G (11ms), Non-operating 60G with HDD
	Operating 50G (11ms), Non-operating 80G with SSD

Qualification

Certification	CE, FCC Class A

Power Requirement

Power Input	DC 12V input by 2.5mm power jack
Power Consumption	Max. 28.8W (w/o 2nd Display)

Storage

Type	1 x mSATA sockets
	1 x SATA III port

Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount
Weight (Net / Gross)	1.575Kg (3.465lb) / 1.7Kg (3.741lb)
Dimensions (W x D x H)	288 x 149.5 x 40mm (11.23" x 5.83" x 1.56")

OS Support

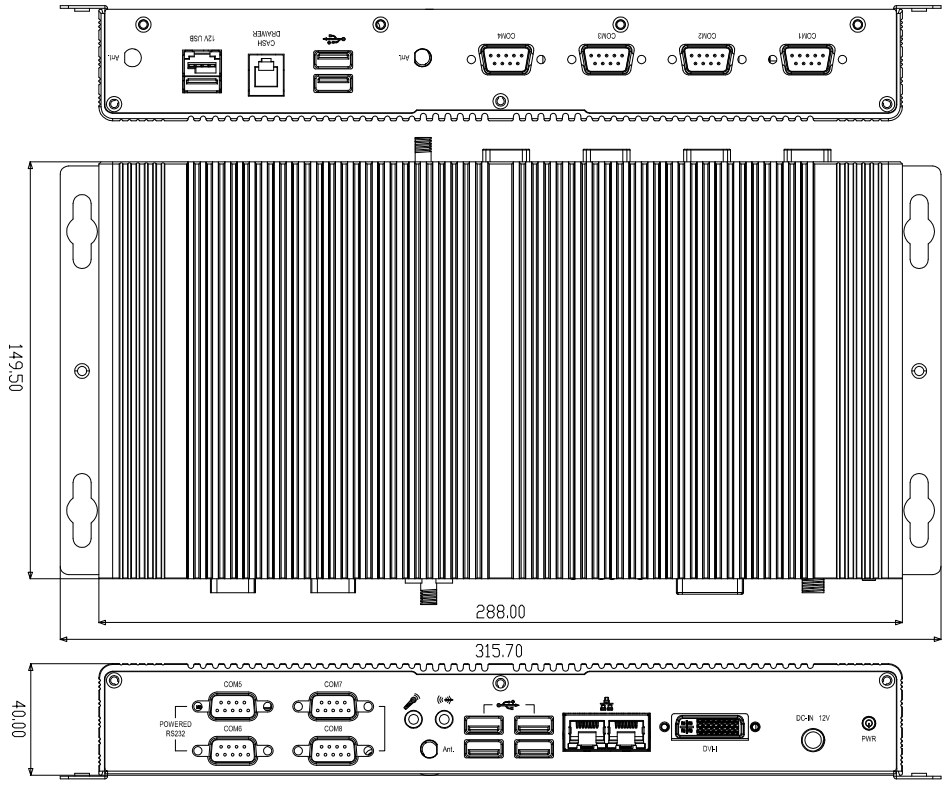
Windows XP Embedded / Windows XP Professional / Windows Embedded Professional 7 / Windows Embedded Standard 7

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

All specifications are subject to change without notice.

Dimensions

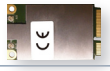


Unit: mm

Optional Accessories

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

Optional Configuration (CTOS* Kit)

WIFI-IN1130	Intel® Centrino® Advanced-N 6205 WiFi module w/ 10cm & 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	
8GB SO-DIMM	DDR3-1600 8GB SDRAM	
4GB SO-DIMM	DDR3-1333 4GB SDRAM	
2GB SO-DIMM	DDR3-1333 2GB SDRAM	
16GB SSD	mSATA MLC 16GB	
32GB SSD	mSATA MLC 32GB	

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