

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

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|----------------|---|
| 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 | 8 x RS-232 ports -3 x RS-232 -1 x RS-232/422/485 configurable -4 x 5V/12V RS-232 w/ 2.5kv isolation |
| 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

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|-------------------|--|
| 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

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|---------------|-----------------|
| Certification | CE, FCC Class A |
|---------------|-----------------|

Power Requirement

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|-------------------|----------------------------------|
| Power Input | DC 12V input by 2.5mm power jack |
| Power Consumption | Max. 30W |

Storage

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|------|--|
| Type | 1 x mSATA socket 1 x 2.5" Drive bay |
|------|--|

Mechanical

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|------------------------|---|
| Construction | Aluminum alloy |
| Mounting | Wall-mount |
| Weight (Net / Gross) | 1.575 kg (3.465 lb) / 1.7 kg (3.741 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

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

