

SI-323-N

Mid-Range Signage Player

AMD Ryzen™ Embedded R-Series Core-based Digital Signage Player with AMD Vega GPU and Three HDMI



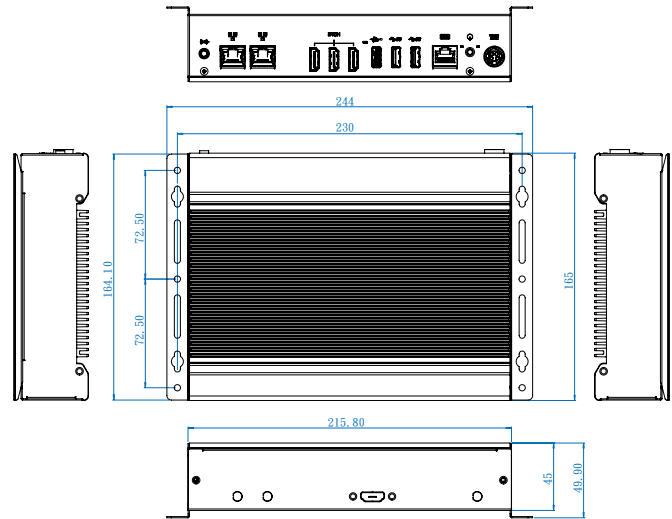
Features

- iCONTROL intelligent energy-saving & Observer remote monitoring technologies
- AMD Ryzen™ Embedded R1000 series
- Vega GPU with up to 3 Compute Units
- 3x HDMI 2.0 with independent audio output support
- Built-in hardware EDID emulation function with software setting mode
- 2x DDR4-2400 SO-DIMM, dual channel, Max. 32GB
- 1x Mini PCI-E (full-size) for Wi-Fi, Bluetooth, 4G LTE or capture card options
- 1x M.2 E-Key (2230) for Wi-Fi, Bluetooth, 4G LTE options
- 1x M.2 M-Key (2280) for storage
- Compact and fanless design

Ordering Information

SI-323-N	Signage Player with MBD323 w/ AMD Ryzen™ Embedded R1606G 2.6GHz/3.5GHz; 2x 4GB DDR4 2400 SO-DIMM memory, M.2 128GB, 84W power adaptor (RoHS)
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Dimensions



Specifications

System Mainboard	MBD323
CPU	AMD Ryzen™ Embedded R1606G 2.6GHz/3.5GHz
CPU Socket	FP5 BGA package, 35mm x 25mm, 0.8mm pitch
Chipset	AMD integrated SoC
Memory	2x DDR4-2400 SO-DIMM, Dual channel, Max. 32GB
Graphics	Next-Gen AMD Radeon™ HD GPU integrated
LAN	2x Realtek RTL8111H Gigabit LAN controller
Expansion Slots	1x Mini PCI-E (full-size) for Wi-Fi, Bluetooth, 4G LTE or capture card options 1x M.2 E-Key (2230) for Wi-Fi, Bluetooth, 4G LTE options 1x SIM card slot
I/O Interface	3x HDMI 2.0 with hardware EDID emulation 2x USB 3.0, 1x USB 2.0 2x RJ45 for Gigabit LAN 1x RJ45 for RS-232 serial port 1x Micro jack audio connectors for Line-out Power / HDD LED, 1x power button 1x Power jack connector
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Power Requirement	+12V DC-in
Construction	Aluminum + SGCC
Weight	TBD
Chassis Color	Black & white
Storage	1x M.2 M-Key 2280 (SATA signal only)
Power Supply	84W power adaptor
Mounting	Standard system bracket
Dimensions	215.8mm(W) x 164mm(D) x 45mm(H) 8.49"(W) x 6.45"(D) x 1.77"(H)
Operating Temperature	0°C ~ 45°C (32°F~113°F)
Storage Temperature	-20°C to 80°C (-4°F~167°F)
Relative Humidity	10%~90% (non-condensing)
Vibration	M.2: 5 grms / 5~500Hz / random operation
Certification	CE, FCC class B, cULus & CCC
Operating System	Win10 IoT Enterprise 64-bit Linux Ubuntu 64-bit



Backplane Systems Technology

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