



Specifications

System Mainboard MBD313	
CPU Type	AMD Embedded R-Series SoC "Merlin Falcon" APU CPU clock (Max/Base) : 2.7GHz/3.6GHz
CPU Package	FP4 BGA package, 37mm x 29mm, 0.8mm pitch
Chipset	AMD integrated SoC
Memory	2xDDR4 2133 SO-DIMM, dual-channel, Max 32GB
Graphics	Next-gen AMD Radeon™ HD GPU integrated
LAN	1x Gigabit LAN
Expansion Slots	1x M.2 B key for storage/ Wi-Fi/ Bluetooth/ 4G/ LTE
	Wireless options
	1x mPCIe(x1) for Wi-Fi/ Bluetooth/ TV tuner/ 4G/ LTE options 1x SIM card slot
I/O Interface	3xHDMI 2.0
	1xRJ45 for LAN
	1xRJ45 for RS-232 serial port
	2xUSB 3.0
	2xUSB 2.0
	2x Audio connectors for Mic in / 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
Construction	Aluminum + SGCC
Weight	1.55kgs (3.42lbs)
Chassis Color	Black & white
Storage	1x M.2 B-Key
	1x M.2 M-Key
Power Supply	150W power adaptor
Mounting	Standard system bracket
Dimensions	216mm(W) x 150mm(D) x 33mm(H)
	8.5"(W) x 5.91"(D) x 1.3"(H)
Operating Temperature	0°C ~ 45°C (32°F~113°F)
Storage Temperature	-20°C ~ 80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)
Vibration	M.2: 5 grms / 5~500Hz / random operation
Certification	CE, FCC, VCCI, cULus, CCC

Features

- iSMART- for auto-scheduler and power resume
- 3rd Generation AMD Embedded R-series APU (Codename: Merlin Falcon), up to 35W
- Next-gen AMD Radeon™ HD GPU integrated
- Supports AMD Eyefinity video wall display configuration setting
- 3x HDMI 2.0 with 4K resolution per display & built in Hardware EDID emulation function
- 2x DDR4 2133 SO-DIMM, dual-channel, Max. 32GB
- 1x M.2 B-Key & 1x mPCIe(x1) + 1x SIM card slot, Wi-Fi, Bluetooth, 4G/LTE or TV tuner options
- Segregated flow ventilation design

Ordering Information

SI-313-QC	Signage Player with MBD313 w/ AMD 4 Cores RX-421BD 2.1GHz/3.4 GHz APU, 2x 4GB DDR4 SO-DIMM 2133, M.2 64GB, 150W power adaptor (RoHS)
SI-313-DC	Signage Player with MBD313 w/ AMD 4 Cores RX-216GD 3.0 GHz APU, 2x 4GB DDR4 SO-DIMM 1600, M.2 64GB, 150W power adaptor (RoHS)

Dimensions

