

# SI-313-N

## Mid-Range Signage Player

AMD Embedded R-Series SoC Fanless Signage Player with AMD Radeon™ HD graphics and Three HDMI



### Specifications

System Mainboard	MBD313
CPU	AMD R-Series 28nm Quad-Core/Dual-Core APU *The maximum TDP supported is 15W*
CPU Package	FP4 BGA package, 37mm x 29mm, 0.8mm pitch
Chipset	AMD integrated SoC
Memory	2x DDR4-2133 SO-DIMM, Dual channel, Max. 32GB
Graphics	Next-Generation AMD Radeon™ HD GPU integrated
LAN	1x Realtek RTL8111G Gigabit LAN controller
Expansion Slots	1x M.2 B key (3042) for storage or 4G LTE options 1x Mini PCI-E (full-size) for Wi-Fi, Bluetooth or 4G LTE 1x SIM card slot
I/O Interface	3x HDMI 2.0 with hardware EDID emulation 1x RJ45 for Gigabit LAN 1x RJ45 for RS-232 serial port 2x USB 3.0 2x USB 2.0 2x Audio connectors for Mic / 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 M-Key (2280)
Power Supply	84W power adaptor
Mounting	Standard system bracket
Dimensions	215.8mm(W) x 150mm(D) x 33mm(H) 8.49"(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 Class B, VCCI, cULus & CCC
Operating System	Windows® 7 (32/64-bit), Windows 8.1† (64-bit) Windows 10 (64-bit), Windows 10 IoT Enterprise (64-bit) Windows Embedded Standard 7 (32/64-bit) Windows Embedded Standard 8 (32/64-bit) Linux Open Source (64-bit)

### Features

- iCONTROL intelligent energy-saving & Observer remote monitoring technologies
- 3rd Generation AMD Embedded R-Series APU (Codenamed: Merlin Falcon), up to 12W
- Next-gen AMD Radeon™ HD GPU integrated
- Supports AMD Eyefinity video wall display configuration setting
- 3x HDMI 2.0 with independent audio output & hardware EDID emulation function
- 2x DDR4-2133 SO-DIMM, dual channel, Max. 32GB
- 1x M.2 B key (3042) for storage or 4G LTE options
- 1x Mini PCI-E for Wi-Fi, Bluetooth or 4G LTE options
- Compact and fanless design

### Ordering Information

SI-313-NQC	Signage Player with AMD 4 Cores RX-421BD Quad-Core 2.1GHz/3.4GHz APU, 2x 4GB DDR4 SO-DIMM 2133, M.2 64GB, 84W power adaptor
SI-313-NDC	Signage Player with AMD 4 Cores RX-216GD Dual-Core 1.6GHz/3.0GHz APU, 2x 4GB DDR4 SO-DIMM 1600, M.2 64GB, 84W power adaptor
SI-MK3A	Mounting bracket for SI-304/SI-122-N/SI-313/SI-313-N/SI-324/SI-613/SI-623 series
SI-1U-AD	1U Rackmount kit

### Dimensions

