Mid-Range Digital Signage Player
AMD Ryzen™ Embedded V-Series Zen Core-based Signage Player with AMD Vega GPU and Four HDMI

Features
- ISMART - for EuP/ErP power saving, auto-scheduling and power resume
- AMD Ryzen™ Embedded V1000 series
- Vega GPU with up to 11 Compute Units
- 4x HDMI 2.0 with independent audio output support
- Built-in hardware EDID emulation function with the 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
- Segregated flow ventilation design

Specifications

<table>
<thead>
<tr>
<th>System Mainboard</th>
<th>MBD324</th>
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<tbody>
<tr>
<td>CPU Type</td>
<td>AMD Ryzen™ Embedded V1807B 3.35/3.8GHz; DC V1202B 2.3GHz/3.2GHz</td>
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<tr>
<td>CPU Socket</td>
<td>FP5 BGA package, 37x29mm</td>
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<tr>
<td>Chipset</td>
<td>AMD integrated SoC</td>
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<tr>
<td>Memory</td>
<td>2x DDR4-2400 SO-DIMM, Dual Channel, Max. 32GB</td>
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<td>Graphics</td>
<td>Next-gen AMD Vega GPU integrated</td>
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<td>LAN</td>
<td>2x Realtek RTL8111H Gigabit LAN controller</td>
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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
- 4x HDMI 2.0 with hardware EDID emulation
- 2x USB 3.0, 1x USB 2.0
- 2x RJ45 for Gigabit LAN
- 1x RS-232 serial port
- 1x Microjack 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
2.1 kgs [4.63 lbs]

Chassis Color
Black & white

Storage
1x M.2 M-Key(2280)

Power Supply
150W power adaptor

Mounting
Slim design with wall mounting holes

Dimensions
- 269mm(W) x 193mm(D) x 31.5mm(H)
- 10.59"(W) x 7.59"(D) x 1.24"(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, cULus & CCC

Operating System
Win 10 IoT Enterprise 64-bit
Linux Ubuntu 64-bit

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tr>
<td>SI-324</td>
<td>Signage Player with MBD324 w/ AMD Ryzen™ Embedded V1807B 3.35GHz/3.8GHz ;2x 4GB DDR4 2400 SO-DIMM memory, M.2 128GB, 150W power adaptor (RoHS)</td>
</tr>
<tr>
<td>SI-1U-AD</td>
<td>1U Rackmount kit</td>
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<tr>
<td>HDMI Cable Holder</td>
<td>SI-304/SI-324 HDMI bracket kit</td>
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Dimensions Diagram