



# RS-123-E01-A07

Rack Mount / Wall Mount Extender / Computer

## Features

- Standard 1RU height, 7" in depth 19" rack mount
- Computer and KVM extender all in one unit
- Extends computer's HDMI video, RS-232, USB signals to remote location
- Eliminates cables connection between transmitter and computer for quick deployment of event controller
- Swappable modular design providing maximum flexibility of configuration to fit highly dynamic event requirements
- Swappable modular design to obtain minimum maintenance and upgrade efforts requirement
- A transmitter supports PoE to power the receiver unit at remote location
- Computer module is equipped with Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU, up to 8GB DDR-3 memory



## Specifications

| Model Name                   | RS-123-E01-A07   |   |
|------------------------------|--|---|
| Plug-in Slot                 | A  | B   |
| Role of Usage                | Transmitter (TX)   | Computer                                    |
| RS-123-E01-A07               | ARD-1006-A07-TX  | MicroBox-1100A-E01                          |
| RS-123-E01-A31               | ARD-1006-A31-TX  | MicroBox-1100A-E01                          |
| RS-123-E01-B31               | ARD-1006-B31-TX  | MicroBox-1100A-E01                          |
| Video resolution             | Up to 3840 x 2160  |   |
| Transmission                 | Cat5e/Cat6 cable   Fiber   |   |
| Extension signal             | Video, Audio, remote control, touch control, keyboard/mouse, Ethernet, Power                             |   |
| RS-232 Signal Type           | Full-duplex & baud rate  |   |
| Input video signal           | 1.2 Volts [peak-to-peak]   |   |
| Loop-Back                    | 1 x HDMI Loop-Back at TX   |   |
| ESD Protection               | [1] Human body model – ±15kV [air-gap discharge] and ±8kV [contact discharge]<br>[2] Core chipset – ±8kV |   |
| PCB Stack-up                 | 6-layer board [impedance control – differential 100Ω; single 50Ω]  |   |
| <b>I/O Communication</b>     |  |   |
| Input                        | 1 x HDMI 2.0, 1 x USB<br>1 x RS-232, 1 x IR, 1 x 48V DC  | 1 x Remote IN (PSE)                         |
| Output                       | 1 x Local out (PSE), 1 x HDMI 2.0  | 1 x HDMI 2.0, 1 x RS-232<br>4 x USB, 1 x IR |
| Ethernet Hub                 | 2 x LAN  |   |
| HDMI connector               | HDMI female  |   |
| RS-232 connector             | DB-9   |   |
| Keyboard and mouse connector | USB Type A   |   |
| USB connector                | USB Type A (RS-121-31-RX), USB Type B (RS-121-31-TX)   |   |
| <b>Physical Information</b>  |  |   |
| Mounting                     | Wall Mount or Rack Mount   |   |
| Dimension (W x H x D)        | 18.87x 1.73 x 6.96 inch<br>479.3 x 44.0 x 176.7 mm Rack Mount  |   |
| <b>Power/Thermal Specs</b>   |  |   |
| Power supply                 | 12V DC Power input   |   |
| <b>Environmental</b>         |  |   |
| Operating Temperature        | 0~50°C (32~122°F)  |   |
| Storage Temperature          | -20~60°C (-4~140°F)  |   |
| Relative Humidity            | 0~95%  |   |

## Ordering Information

| Item             | RS-123-E01-A07   |
|------------------|--|
| CPU              | Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU |
| Memory           | 8GB DDR3   |
| Storage          | 2.5" HDD   |
| Remote Boot      | N/A  |
| Power Supply     | 12V DC Power input                                       |
| Operating System | Option   |