



Rack Mount Computers

Datasheet Collection

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Industrial Computers

Rack Mount Computers

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RS-102AT

1U Rack Mount Computer



Features

- Intel Core i7-6700T CPU
- Supports Up To 32GB DDR4 SO-DIMM
- 2 x Removable 3.5" Hard Drive Caddy
- CD-Drive
- 2 x RS-232/422/485
- 2 x USB 2.0, 4 x USB 3.0

Specifications

Model Name	RS-102AT-H01
System	
CPU	Intel i7-6700T Processor
Chipset	Skylake
Memory	Up to 32GB DDR4 SODIMM
Video Controller	Intel® Gen9 Intel® Graphics
Video Interface	DVI, HDMI, DP. *Supports triple displays
Storage Option	Up to 2 x 3.5" SATA HDD
Compact Flash	N/A
Keyboard/Mouse	Combo PS/2 Connectors, USB
Audio	N/A
Watchdog Timer	N/A
Expansion Slot	1 x PCIe x16
I/O Communication	
USB Port	2 x USB 2.0, 4 x USB 3.0
Serial Port	2 x RS-232/422/485
IEEE 1394	N/A
LAN	Dual Gigabit LAN
Parallel	N/A
OS Support	
OS Support	Win 7, Win 10
Power/Thermal Specs	
Power Requirement (Max)	110VAC / 1.88A, 220VAC / 0.94A
Power Consumption (Max)	207 W
Recommended Power Supply	295 W
Heat Dissipation	705 BTU/hr
Physical Information	
Mounting	Rack Mount
Net Weight	45 lbs / 20 Kg
Dimension (W x H x D)	19.02 x 1.71 x 19.13 inch 483.1 x 43.4 x 485.8 mm
Rating	N/A
Certification	N/A
Environmental	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	0% to 95% (non-condensing)

Ordering Information

Item	RS-102AT-H01-011	RS-102AT-H01-051
CPU	Intel i7-6700T CPU	Intel i7-6700T CPU
Memory	32GB DDR4	32GB DDR4
RAID	N/A	Yes
Storage	3.5" SATA HDD	Dual 3.5" SATA HDD
Remote Boot	N/A	N/A
Power Supply	110/220VAC Input	110/220VAC Input



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] [2] Core chipset – ±8kV	
PCB Stack-up	6-layer board [impedance control – differential 100Ω; single 50Ω]	
I/O Communication		
Input	1 x HDMI 2.0, 1 x USB 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 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)	
Physical Information		
Mounting	Wall Mount or Rack Mount	
Dimension (W x H x D)	18.87x 1.73 x 6.96 inch 479.3 x 44.0 x 176.7 mm Rack Mount	
Power/Thermal Specs		
Power supply	12V DC Power input	
Environmental		
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



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