19" 3U Rugged Server

Model Name: MIC-S0301

Date: 2022/03/27

Revision   0.1

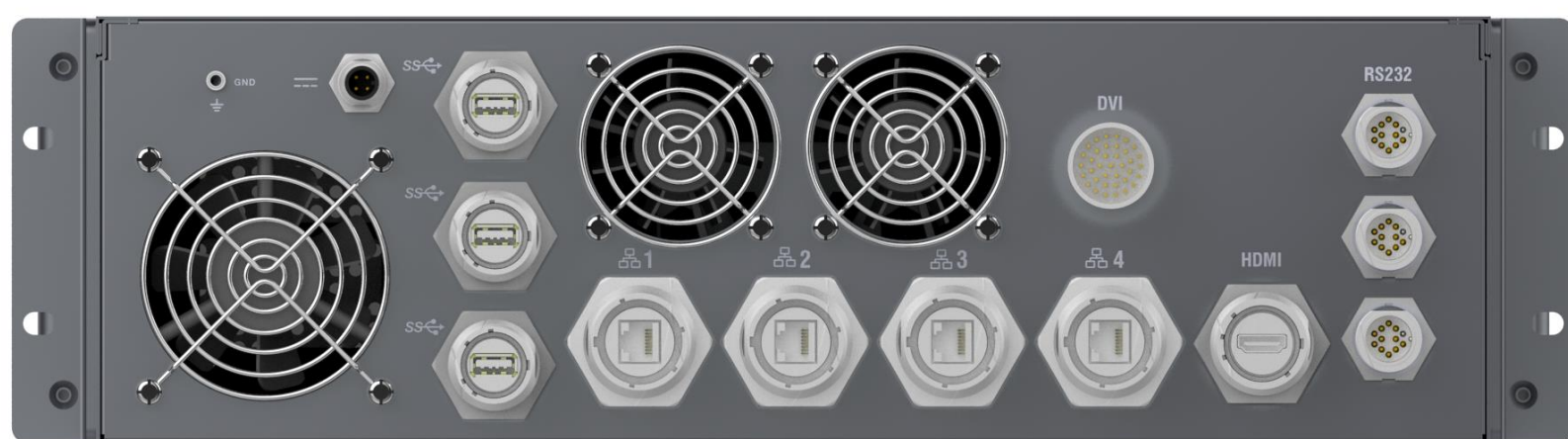| ACT Power GM Approve	ACT Power PM Approve

MIC-S0301

Appearance

Specifications

General Specs

Chassis	Rugged 3U 19" Rack Mount Server
Main Board	Server Grade/ Work Station Grade Main Board
Chipset	Intel® C621
Processor	Intel® Xeon® Gold 6230 Processor, 20-cores, 40-threads 2.1 to 3.7GHz Frequency 42MB Cache Memory
Memory	Total 128 GB ECC DDR4 2933MHz pre-mounted Up to 256 GB capacitive each slots, 12 DIMM slots
Graphics	1 ASPEED AST2500 GEFORCE GT 710 2GB DDR3 64-bit graphics RAM 1 x DVI-D supports up to 4096x2160 1 x HDMI supports up to 4096x2160 1 x VGA supports up to 2048x1536
Storage	M.2 Interface: 4 PCIe 3.0 x4, RAID 0 & 1 Form Factor: 2242/2260/2280/22110 Key: M-Key M.2 support RAID 0,1(up to RAID 5, 10), VROC key is required for Raid 2 TB M.2 SSD pre-mounted
PCI-E	4 PCIe 3.0 x16, 3 PCIe 3.0 x8 (in x16 slot) (2 has been occupied Display card and LAN extension)
I/O ports rear (MIL Circular) With dust caps with cable secured	4 x LAN with D38999 military connector 3 x USB2.0 with D38999 military connector 3 x RS232 with D38999 military connector 1 x HDMI with D38999 military connector 1 x DVI-D with D38999 military connector 1 x AC with D38999 military connector
I/O ports front Buttons	1 x On/ OFF button 1 x Reset button 2 x LED indicators
Supported OS	Linux
OS	Red Hat Enterprise Linux WS v8.0 or above with 1 year RHN
Cooling	Forced air cooling with high speed, high volume fans
Dimensions	3U – 17.5" x 24" x 3.5 (W x L x H)
Weight	Approx. 15kg
Power	Power consumption: Approx. 200 Watts Power supply: Dual 550W Redundant power supplies Supports Automatic Power on State in BIOS Power input: AC 90-264V input

Specifications

Environmental

Operating Temperature	-30°C to +55°C (Note)
Storage Temperature	-40°C to +70°C (Note)
Humidity	240 HOURS or better MIL-STD-810, Humidity, Method 507, Procedure II
EMI/EMC	MIL - STD-461E, RE 102, CE 102 Compliant or better
Shock	20g, 11 msec - Functional Shock or better 40g, 11 msec Crash Hazard Shock or better MIL-STD-810, Shock, Method 516, Procedures I/V
Vibration	4.43 grms, 5-500 Hz, 75 Min/Axis or better MIL-STD-810, Vibration, Method 514, Procedure I
Altitude above sea level	15000ft operation, 40,000 ft Transport or better MIL-STD-810, Altitude, Method 500

Note:
To work with mentioned certifications, this product has offered the basic requirements to meet above standard; however the overall performance and result may vary due to the final integration in the system.

Order information

Model Name	Description	Qty
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