

DEFENSE

Aqeri

9104

4U Computer

Aqeri 9104 is a rugged 19" 4U high computer for use in harsh environments. The chassis is fully sealed for protection against dust and corrosive elements. Cooling is provided by a heat exchanger cooling system. A fully aluminum construction stands for low radiation and high noise immunity (according to MIL-STD-461E). The rugged design, including a separately hinged cradle for mass storage units, gives protection against shocks and vibration. An internal heating and climate control system makes the unit usable in extremely low-temperature environments. Based on COTS technology, the computer can be configured for a various server and workstation applications.

Features:

- > Fully sealed all aluminum 19" 4U chassis
- > All connectors accessible from the front
- > Mounting space for HDD, FDD, DVD-ROM, SSD
- > Integrated heating and climate control system



TECHNICAL SPECIFICATIONS

Processor:	Intel® Core i7-620M 2.66GHz
Memory:	DDR3 up to 8GB
Operating system:	Optional, Windows, Linux
Storage:	Up to 3x 2,5" or 3,5" HDD/SSD drive and 1x DVD-RW
RAID:	Optional 0/1/5
I/O Interfaces:	
USB:	x2
Gigabit Ethernet,	
Fibre Ethernet optional:	x2
VGA:	x1
RS2321x RS-232/422/485:	x1
Graphics:	QM57 integrated Gen 5.75 graphics Media Accelerator Up to 2048 x 1536 resolution
Expansion:	Optional 2x PCI 32Bit, 1x PCIe X16

CONNECTORS

USB:	Hirose
Ethernet:	RJ45 and/or SC
VGA:	HD-DSUB
RS232:	DSUB
DC in:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 177 x 450mm (WxHxD)
Weight:	15 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	122W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275B MIL-STD-810G European CE
Temperature Operating:	-20°C to +55°C
Vibration Operating	
(depending on configuration):	10-500Hz 1,04g rms
Shock Operating	
(depending on configuration):	15g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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