

DEFENSE

Aqeri

9102

2U Computer

Aqeri 9102 is a rugged 19" 2U slim line computer for use in harsh environments. Its' small dimensions and front accessibility makes it suitable for space critical applications. 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. 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 various server and workstation applications.

Features:

- > Fully sealed all aluminum 19" 2U chassis
- > All connectors accessible from the front
- > Mounting space for HDD, FDD, DVD-ROM
- > Cardbus adapter for additional expansion
- > 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 2x 2,5" or 3,5" HDD/SSD drive and 1x DVD-RW
RAID:	Optional 0/1
I/O Interfaces:	
USB:	x2
Gigabit Ethernet, Fibre Ethernet optional	x2
VGA:	x1
RS2321x RS-232/422/485:	x1
Graphics:	Intel® Gen 6.0 integrated Graphics Engine Up to 2048 x 1536
Expansion:	Optional 1x 32bit PCI Audio

CONNECTORS

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

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 88 x 400mm (WxHxD)
Weight:	12 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	68W 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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