

Defense

Aqeri

91400

4U Computer

The Aqeri 91400 is a front accessible 19" 4U computer for use in harsh environments. With a depth of only 390 mm it can be used in space critical applications. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum construction allows for low radiation and high noise immunity. The internal heating and climate control system guarantees operations in extreme temperature environments. The Core 2 Duo processor makes this a high performance computer which also features raid with two Hot Swap drives.

The Aqeri 97002, Shock and Vibration Absorber, can withstand extreme shock forces. It has a compact size since the height is only 68 mm.

Features:

- > Raid 1 Hot Swap
- > Fully sealed, compact universal chassis for 19" or stand alone
- > All connectors accessible from the front
- > Cooling by a separate internal heat-exchanger system
- > For extreme environmental conditions.



TECHNICAL SPECIFICATIONS:

Processor:	Intel® 2.13GHz Core2Duo
Memory:	DDR2 up to 4GB
Operating system:	Optional, Windows, Linux
Storage:	Up to 2x2,5" or 3,5" HDD/SSD drive and 1x DVD-RW
RAID:	Optional 0/1
I/O Interfaces:	
USB:	x4
Parallell:	x1
Gigabit Ethernet:	x1
VGA:	x1
PS/2:	x1
RS232:	x2
RS485:	x1
Line in and Mic Audio:	x2
Graphics:	Intel® Graphics Media Accelerator 3100 Up to 2048 x 1536 Resolution
Expansion:	n/a

CONNECTORS

USB:	MIL-C-26482
Ethernet:	MIL-C-26482
VGA:	MIL-C-26482
RS232:	MIL-C-26482
Audio:	MIL-C-26482
Parallell:	MIL-C-26482
PS/2:	MIL-C-26482
DC In:	MIL-C-26482

PHYSICAL CHARACTERISTICS:

Dimensions:	440 x 177 x 390mm (WxHxD)
Weight:	17kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS:

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	110W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS:

Design to fulfill	
(Other standards on request):	MIL-STD-461 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

AQERI 97002 - SHOCK AND VIBRATION ABSORBER:

Dimensions:	438 x 68 x 385mm (WxHxD)
Weight:	5kg
Color:	Green, other optional

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