



Aqeri 9102 is a rugged 19" 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 aluminium construction stands for low radiation and high noise immunity (according to MIL-STD-461D). 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 aluminium 19" 2HU chassis
- > All connectors accessible from the front
- > 28VDC power supply (18-36VDC)
- > Cooling by internal heat-exchanger system
- > Passive backplane with 2 PCI slots
- > Mounting space for HDD, FDD, CD-ROM
- > Cardbus adapters for additional expansions
- > Integrated heating and climate control system

Functional specifications:

Processor:

Pentium 4-M

RAM:

2GB DDR 333MHz

Operating system:

Optional

Storage:

2,5" of 3,5" HDD drive, DVD, FDD

Display interfaces:

VGA

I/O Interfaces:

2 USB 2.0, 2 Serial ports, 1 parallel, 10/100 ethernet

Expansion:

2 PCI, 2 cardbus, other uses:

WLAN, 2nd LAN etc, Compact flash socket

(Possible to boot diskless)

IR:

IrDA option

Audio: Integrated

Physical characteristics:

Dimensions:

440 x 88 x 400mm (WxHxD)

Weight:

12 kg

Colour:

Green

Electrical specifications:

Power requirements:

28VDC (18-36VDC)

Power consumption:

70W at 28V (excluding heaters, cooler, etc)

Environmental characteristics:

Temperature:

Operating -20°C to +55°C

Enclosure:

IP54

Vibration:

Operating 1G 10-1000Hz

Shock:

Operating: 15Gs, 11ms, 1/2 sine wave

EMI/RFI/EMC:

According to

MIL-STD-1275

MIL-STD-461

DEF-STAN 59-41

Designed to fulfil:

MIL-STD-461/462 C/D, MIL-STD-810, EN 61000-4-2 lev 4, EN 61000-4-3 lev 3, EN61000-4-4 lev 3, 3, EN61000-4-5 lev 1, EN61000-4-6 lev 2, EN61000- 4-8 lev 3, EN55022B, IEC 68-2-6, IEC 68-2-27, IEC68-2-29, IEC68-2-31, IEC68-2-32, DEF-STD-61-5 part 6