

Aqeri 9104 is a rugged 19" 4U 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 lowtemperature environments. Based on COTS technology, the computer can be configured for a various server and workstation applications. Aqeri 9104 supports Intel Pentium 4 CPU's with hyper threading technology and AGP 4X graphic controllers.

## Features

- > Fully sealed all aluminium 19" 4HU chassis
- > All connectors accessible from the front
- > 28VDC power supply (18-36VDC)
- > Cooling by internal heat-exchanger system
- > Passive backplane with 2 PCI slots, 1 PCI-EX16, 2PCI-EX1
- > Mounting space for HDD, FDD, CD-ROM
- > Integrated heating and climate control system
- > EMI/RFI according to MIL-STD-461D and DEF- STAN 59-41



## Specifications

**Processor :** Pentium D 3.0GHz

**RAM :** 4GB DDR 533MHz

**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, Ethernet

**Expansion :**  
2 PCI, 1PCI-EX16, 2 PCI-EX1 Other possible uses:  
WLAN (2nd LAN etc), Compact flash socket (possible to boot  
diskless)

**IR :** IrDA option

**Audio :** Integrated

### PHYSICAL CHARACTERISTICS

**Dimensions :**  
440 x 177 x 450mm (WxHxD)

**Weight :** 15 kg

**Colour :** Green

### ELECTRICAL SPECIFICATIONS:

**Power requirements :** 28VDC (18-36VDC)

**Power consumption :** 175W at 28V (excluding  
heaters, cooler, etc)

### ENVIRONMENTAL CHARACTERISTICS:

**Temperature :** Operating -20°C to +55°C

**Enclosure :** IP54

**Vibration :** Operating 1G 10-1000Hz

**Storage :** 4G 10-1000Hz

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

### 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

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