



Aqeri 9008 is a rugged computer designed for use in space critical military and EX-applications. The Pentium Mobile based computer is built into a fully sealed and vibration proof aluminium chassis with frontal access to all connectors and controls. Military EMI requirements are to MIL-STD-461 and DEF-STAN 59-41

### Features:

- > Typical power consumption (excluding heaters, cooler etc) 25W at 24V
- > -20°C to +70°C ambient temperature operational
- > Fully operational at 20m/s<sup>2</sup> sinusoidal vibration 10Hz to 1KHz
- > Designed to comply with ATEX EX D (EN50018) T6, also FM for US and Canada
- > IP65 or higher, depending on connectors
- > MIL-STD-1275 (28VDC)
- > For ATEX compliance power must be connected through conduit or certified cable and cable glands

### Functional specifications:

#### Processor:

Pentium-M 1,1 Ghz (up to 1.6 GHz) with 400MHz FSB

#### RAM:

1GB DDR 333 Mhz

#### Operating system:

Optional

#### Storage:

2,5" or 3,5" SATA drive (2,5" with vibration/shock absorbing suspension)

#### Dual display:

CRT+LCD, CRT+DVI, CRT+TV, LCD/DVI, LCD/TV

#### Display interfaces:

Analog VGA, DVI, LVDS, Composite video, S-Video

#### I/O Interfaces:

4 x USB 2.0, 4 serial ports (of which one is RS485/422 capable), 2 port SATA controller, 1 channel ATA controller, 10/100/1000 Ethernet

#### Expansion:

Mini PCI slot available (used for video-in in first two units, other possible uses: WLAN, 2nd LAN, Compact flash socket (possible to boot diskless))

#### PCI:

Standard PCI slot available, PCI boards

#### IR:

IrDA available

#### Audio:

Audio 5.1

#### Physical characteristics:

##### Dimension:

300x270x150mm

##### Weight:

9,5 kg

#### Electrical specifications:

##### Power consumption:

25W at 28V (excluding heaters, cooler, etc)

#### Environmental characteristics:

##### Temperature:

Operating -20 to +70 degrees Celsius

Operating 2G 10-1000Hz

##### Enclosure:

IP65

##### EMI/RFI/EMC:

According to

MIL-STD-1275

MIL-STD-461

DEF-STAN 59-41

##### Designed to comply with:

ATEX EX D (EN50018) T&, also FM for US and Canada