

DEFENSE

# Aqeri 9104

## 4U Computer

Aqeri 9104 is a rugged 19" 4U high computer for use in harsh environments. 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 (according to MIL-STD-461E). 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 a various server and workstation applications.

### Features:

- > Fully sealed all aluminum 19" 4U chassis
- > All connectors accessible from the front
- > Mounting space for HDD, FDD, DVD-ROM, SSD
- > Integrated heating and climate control system



**TECHNICAL SPECIFICATIONS**

<b>Processor:</b>	Intel® Core i7-2600 3.4GHz
<b>Memory:</b>	DDR3 up to 16GB
<b>Operating system:</b>	Optional, Windows, Linux
<b>Storage:</b>	Up to 3x 2,5" or 3,5" HDD/SSD drive and 1x DVD-RW
<b>RAID:</b>	Optional 0/1/5
<b>I/O Interfaces:</b>	
<b>USB:</b>	x2
<b>Gigabit Ethernet,</b>	
<b>Fibre Ethernet optional:</b>	x2
<b>VGA:</b>	x1
<b>RS2321x RS-232/422/485:</b>	x1
<b>Graphics:</b>	QM57 integrated Gen 5.75 graphics Media Accelerator Up to 2048 x 1536 resolution
<b>Expansion:</b>	Optional 2x PCI 32Bit, 1x PCIe X16

**CONNECTORS**

<b>USB:</b>	Hirose
<b>Ethernet:</b>	RJ45 and/or SC
<b>VGA:</b>	HD-DSUB
<b>RS232:</b>	DSUB
<b>DC in:</b>	MS3106F 10SL-35

**PHYSICAL CHARACTERISTICS**

<b>Dimensions:</b>	440 x 177 x 450mm (WxHxD)
<b>Weight:</b>	15 kg
<b>Color:</b>	Green, other optional

**ELECTRICAL SPECIFICATIONS**

<b>Power requirements:</b>	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
<b>Power consumption:</b>	122W at 28VDC (excluding heaters)

**ENVIRONMENTAL CHARACTERISTICS**

<b>Designed to fulfill</b>	
<b>(Other standards on request):</b>	MIL-STD-461E MIL-STD-1275B MIL-STD-810G European CE Option
<b>TEMPEST SDIP-27 Level A, B, C:</b>	
<b>Temperature Operating:</b>	-20°C to +55°C
<b>Vibration Operating</b>	
<b>(depending on configuration):</b>	10-500Hz 1,04g rms
<b>Shock Operating</b>	
<b>(depending on configuration):</b>	15g, 11ms, ½ sine wave
<b>Humidity:</b>	5% to 95% non condensing
<b>Altitude Operating:</b>	3000m

*We reserve the right to change the information of this document without further notice. 110831*