

DEFENSE

Aqeri

91050-01

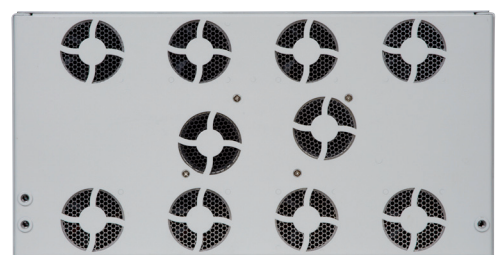
5U Computer

Aqeri 91050 is a rugged military version of HP Z400 high-end workstation computer.

The unit is a rugged 19" 5U computer for use in harsh environments. Its' unique cooling system makes it possible to use a Xeon processor with very high performance and high-end PCI express graphics from Nvidia. The chassis is fully sealed for protection against dust and corrosive elements. A fully aluminum construction stands for low radiation and high noise immunity. The rugged design gives protection against shock and vibration.

Features:

- > Fully sealed all aluminum 19" 5U chassis
- > All connectors accessible from the front
- > 28VDC power supply (18-36VDC)
- > Up to 4pcs SATA drives, SSD/HDD with RAID
- > Mounting space for DVD-RW
- > Integrated heating and climate control system



Backside

TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Processor: | 3,06 Ghz XEON Quad Core |
| Memory: | DDR3 up to 6Gb |
| Operating system: | Optional, Windows, Linux |
| Storage: | Up to 4x 2,5" or 3,5" HDD/SSD drive and 1x DVD-RW |
| RAID: | Optional 0/1/5 |
| I/O Interfaces: | |
| USB: | x7 |
| Gigabit Ethernet: | x3 |
| VGA: | x1 |
| PS/2: | x1 |
| Temp monitoring: | x1 |
| Line in and 1x Line out 1x Mic Audio: | x3 |
| RS232: | x1 |
| Graphics: | Nvidia FX1800 Up to 2560x1600 resolution |
| Expansion: | n/a |

CONNECTORS

| | |
|--------------------------|-----------|
| USB: | MIL 38999 |
| Gigabit Ethernet: | MIL 38999 |
| VGA: | MIL 38999 |
| PS/2: | MIL 38999 |
| Temp Monitoring: | MIL 38999 |
| Audio: | MIL 38999 |
| RS232: | MIL 38999 |
| DC In: | MIL 5015 |

PHYSICAL CHARACTERISTICS

| | |
|--------------------|---------------------------|
| Dimensions: | 440 x 222 x 495mm (WxHxD) |
| Weight: | 23 kg |
| Color: | Green, other optional |

ELECTRICAL SPECIFICATIONS

| | |
|----------------------------|---|
| Power requirements: | 28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC) |
| Power consumption: | 280W at 28VDC (excluding heaters) |

ENVIRONMENTAL CHARACTERISTICS

| | |
|--|--|
| Designed to fulfill (Other standards on request): | MIL-STD-461E 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 |

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