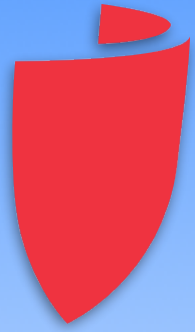


Arxlight



Technology fortified to last



INDUSTRY

MILITARY

DEFENSE

Aqeri 86202

Rugged mini Switch

The Aqeri 86202 is a rugged 1,5U, half 19" Cisco-based military 10/100/1000 Mbit Ethernet Switch that is powered by AC or DC. An internal heating and climate control system makes the unit usable in extremely low temperature environments.

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:

- > Cisco 2960G-8T-L switch board
- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration



TECHNICAL SPECIFICATIONS

Switch board: Cisco 2960G-8TC-L

I/O Interfaces

10/100/1000 Mbit: x8

Console: x1

DC In or AC In: x1

CONNECTORS

Console: AMC

10/100/1000 Mbit: AMC

AC In (option): MIL38999

DC In (option): MIL38999

PHYSICAL CHARACTERISTICS

Dimensions: 220 x 65,8 x 350mm (WxHxD)

Weight: 2,5 kg

Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 90-264 VAC, 50-60Hz / 9-36VDC

Power consumption: 30W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request): MIL-STD-461E

MIL-STD-810G

European CE

Option

TEMPEST SDIP-27 Level A, B, C:

Temperature Operating: -20°C to +55°C

Vibration Operating: 10-500Hz 1,04g rms

Shock Operating: 15g, 11ms, ½ sine wave

Humidity: 5% to 95% non condensing

Altitude Operating: 3000m

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DEFENSE

Aqeri 86203

Rugged Mini Switch

The Aqeri 86203 is a rugged 2U, half 19" Cisco-based military Layer 3 Switch that is powered by AC or DC. An internal heating and climate control system makes the unit usable in extremely low temperature environments.

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:

- > Cisco SG300-10MP switch board
- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration
- > 8x PoE IEE 802af
- > 2x Uplink ports in copper and/or fiber
- > Fanless



TECHNICAL SPECIFICATIONS

Switch board: Cisco SG300-10MP

I/O Interfaces

10/100/1000 Mbit: x8
 1000 Mbit Copper COMBO UPLINK: x2
 1000 Mbit Fiber SM COMBO UPLINK: x2
 Console: x1
 DC In or AC In: x1

CONNECTORS

Console: AMC
 10/100/1000 Mbit: AMC
 1000 Mbit Copper COMBO UPLINK: AMC
 1000 Mbit Fiber SM COMBO UPLINK: MIL38999
 AC In (option): MIL38999
 DC In (option): MIL38999

PHYSICAL CHARACTERISTICS

Dimensions: 220 x 88 x 363mm (WxHxD)
 Weight: 2,5 kg
 Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 90-264 VAC, 50-60Hz / 9-36VDC
 Power consumption: 12W - 152W (full PoE) (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
 (Other standards on request): MIL-STD-461E
 CE102
 CE101
 RE102
 CS114
 CS115
 CS116
 MIL-STD-810G
 500.5 Low Pressure, 10.000 feet op
 501.5 High Temp +70C non op, +55 op
 502.5 Low Temp -40C non op, -30 op
 508.6 Fungus
 514.6 Vibration Ground vehicle/wheeled tracked trailer
 516.6 Shock 20g / 11ms
 507.5 Humidity 5-95%
 European CE
 Temperature Operating: -20°C to +55°C
 Humidity: 5% to 95% non condensing
 Altitude Operating: 3000m

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DEFENSE

Aqeri

86301

Rugged mini VoIP

The Aqeri 86301 is a rugged compact fanless Voice over IP (VoIP) for harsh environments. The VoIP is a Gateway-Router that supports up to four FXO or FXS connections.

The VoIP is designed with a wide input voltage range which makes the unit usable in vehicles. An internal climate control system makes the unit usable in extremely low and high temperature environments.

The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum design stands for low radiation and high noise immunity.

Features:

- > Gateway-Router that supports up to four FXO or FXS connections.
- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration



TECHNICAL SPECIFICATIONS

I/O Interfaces

10/100 Mbit:	x1
100 Mbit Fiber (MM):	x1
Console:	x1
DC In:	x1
FXO or FXS:	x4

CONNECTORS

10/100 Mbit:	RJ45
100 Mbit Fiber (MM):	SC
Console:	DB9
DC In:	97B-3100A10SL-3P
FXO or FXS:	RJ11 (in RJ45 connectors)

PHYSICAL CHARACTERISTICS

Dimensions:	220 x 65,8 x 300mm (WxHxD)
Weight:	2,5 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	9-36VDC
Power consumption:	30W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

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

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DEFENSE

Aqeri 86303

Rugged mini KVM

Aqeri 86303 is a 4 port rugged KVM switch able to remotely control up to 4 computers from one operator station. Switching focus between attached computers are made by keyboard combinations. Every channel is equipped with a LED for easy identifying active channel. Aqeri 86303 is powered by USB from attached computer.

Features:

- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration



TECHNICAL SPECIFICATIONS

I/O Interfaces:

Console	
USB Keyboard and Mouse:	x1
VGA out:	x1

Channel 1

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 2

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 3

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 4

USB Keyboard and Mouse:	x1
VGA in:	x1

CONNECTORS

Console:	AMC
Channel 1:	AMC
Channel 2:	AMC
Channel 3:	AMC
Channel 4:	AMC

PHYSICAL CHARACTERISTICS

Dimensions:	220 x 65 x 300mm (WxHxD)
Weight:	1,6 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	Powered by USB from attached computer
Power consumption:	2.5W

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
Temperature Operating:	-20°C to +55°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	40g, 11ms, 1/2 sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri 86303

Rugged mini KVM

Aqeri 86303 is a 4 port rugged KVM switch able to remotely control up to 4 computers from one operator station. Switching focus between attached computers are made by keyboard combinations. Every channel is equipped with a LED for easy identifying active channel. Aqeri 86303 is powered by USB from attached computer.

Features:

- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration



TECHNICAL SPECIFICATIONS**I/O Interfaces:**

Console	
USB Keyboard and Mouse:	x1
VGA out:	x1

Channel 1

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 2

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 3

USB Keyboard and Mouse:	x1
VGA in:	x1

Channel 4

USB Keyboard and Mouse:	x1
VGA in:	x1

CONNECTORS

Console:	AMC
Channel 1:	AMC
Channel 2:	AMC
Channel 3:	AMC
Channel 4:	AMC

PHYSICAL CHARACTERISTICS

Dimensions:	220 x 65 x 300mm (WxHxD)
Weight:	1,6 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	Powered by USB from attached computer
Power consumption:	2.5W

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
Temperature Operating:	-20°C to +55°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	40g, 11ms, 1/2 sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

97100

1U VoIP Gateway

Aqeri 97100 rugged VoIP Gateway-Router supports eight FXS telephone connections. Combine Voice over IP with advanced Quality of Service (QoS) and full Internet access and security features to provide best in class service and voice quality. This integrated access router and VoIP Gateway benefits both service providers and enterprise network administrators with a lower cost of ownership. The unit is built into a fully sealed aluminum chassis.

Features:

- > Integrated access router and VoIP Gateway
- > Supports eight FXS telephone connections
- > Based on Patton Smart Node 8 FXS



TECHNICAL SPECIFICATIONS

VoIP Board:	Patton Smartnode 4528
Voice Processing Voice code:	G.711 A-Law/ μ -Law (64kbps), - G.726 (ADPCM 40, 32, 24, 16 kbps)
Voice Signalling:	H.323v4, SIPv2
Management:	Web GUI, Industry standard CLI with local console (CRJ-45, RS-232) and remote Telnet access, SNMP v1 agent (MIB II and private MIB)
Quality of Services:	Traffic classification by ACL, IEEE 802.1p/Q, DownStreamQoS™, Priority, Weighted fair queuing (WFQ), Hierarchical traffic classes

For more technical details, see Patton web

I/O Interfaces:

FXS:	x8
100 Mbit Multimode:	x1
10/100 Mbit:	x1
Console:	x1

CONNECTORS

FXS:	RJ11
100 Mbit Multimode:	SC
10/100 Mbit:	RJ45
Console:	DSUB
DC In:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 42 x 300mm (WxHxD)
Weight:	3 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC or PoE (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	15W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
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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DEFENSE

Aqeri 96247

2U Ethernet Switch

Aqeri 96247 is a rugged 19" Cisco-based military switch for use in harsh environments. 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 shocks and vibration. An internal heating and climate control system makes the unit usable in extremely low-temperature environments.

Features:

- > Fully sealed aluminum 19" 2U chassis
- > Based on Cisco WS-2960-24TT-L switch board
- > 24 x 10/100 Mbit in 38999 MIL connectors
- > Integrated heating and climate control with status port
- > 18-36 VDC



TECHNICAL DATA

TECHNICAL SPECIFICATIONS:

Switchboard: Cisco WS-2960-24 TT-L

I/O Interfaces

10/100 Mbit: x24

Console: x1

CONNECTORS

10/100 Mbit: MIL-DTL-38999

Console: DSUB

DC in: MIL-C-5015

PHYSICAL CHARACTERISTICS

Dimensions: 444 x 88 x 400mm (WxHxD)

Weight: 8 kg

Color: Grey, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 18-36VDC operating (Safe start Min 21VDC, Max 33VDC)

Power consumption: 30W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request): MIL-STD-461E

MIL-STD-1275B

MIL-STD-810G

European CE

Option

TEMPEST SDIP-27 Level A, B, C:

Temperature Operating: -20°C to +55°C

Vibration Operating: 10-500Hz, 1,04rms

Shock Operating: 15g, 11ms, ½ sine wave

Humidity: 5% to 95% non condensing

Altitude Operating: 3000m

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DEFENSE

Aqeri

93100

10,4" LCD Display

Aqeri 93100 is a ruggedized 10,4" LCD with 38999 connectors. It is specially designed for harsh environments. The display has 16 function keys integrated in the chassis that communicates with RS422 interface. It also contains an integrated USB mouse with right/left buttons and an on/off-switch. In the back of the display there are 4 pcs of 38999 connectors. One for power, one for USB, one for VGA/RS422 and one spare.

Features:

- > Compact 10,4" LCD
- > 16 functional buttons
- > Integrated mouse
- > MIL 38999 interface
- > 9-36VDC input



TECHNICAL SPECIFICATIONS

Display:	10,4"
Resolution:	1024x768
Brightness:	400 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 80°; Up/Down +/- 80°

I/O Interfaces

VGA:	x1
USB:	x1
RS422:	x1

CONNECTORS

VGA / RS422:	MIL 38999
USB:	MIL 38999
DC In:	MIL 38999

PHYSICAL CHARACTERISTICS

Dimensions:	260 x 240 x 55m (WxHxD)
Weight:	3 kg
Color:	Black, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	9-36VDC
Power consumption:	15W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275B MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	Option
Temperature Operating:	-20°C to +55°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	15g, 11ms, 1/2 sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri 92210

20" LCD Display

The 92210 is a ruggedized military 20" 4:3 LCD monitor made for use in harsh environments. It is a flexible device that can be used for mobile and stationary applications. Aqeri 92210 has a IP65 sealed front and membrane buttons for OSD meny.

Features:

- > Compact 20" 4:3 LCD
- > IP65
- > Mobile or stationary use
- > AC Power in
- > Remote Brightness control



TECHNICAL SPECIFICATIONS

Display:	20" 4:3
Resolution:	1600x1200 UXGA
Brightness:	300 cd/m ² LED
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 89°; Up/Down +/- 89°
Contrast:	800:1

I/O Interfaces

DVI:	x2
RS232:	x1

CONNECTORS

DVI:	DVI-D
RS232:	D-SUB
AC In:	MS27466T09F98

PHYSICAL CHARACTERISTICS

Dimensions:	482 x 361 x 77mm (WxHxD)
Weight:	8 kg
Color:	Black, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	100-240 VAC 50/60Hz, 28 VDC
Power consumption:	60W approx

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E RE102 CE102 RS103 CS101 CS106 MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A,B,C:	IP65
IP Protection:	0°C to +55°C (-20°C to +55°C as an option)
Temperature Operating:	MIL-STD-167-1 Type I
Vibration Operating:	0.25 mm (4 Hz to 14 Hz) 0.2g (15 Hz to 100 Hz)
Shock Operating:	MIL-STD-810 516.5 Proc I 20g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
IP:	65
Altitude Operating:	4572m/15000ft

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DEFENSE

Aqeri

92201

20,1" LCD Display

The 92201 is a ruggedized military 20" 4:3 LCD monitor made for use in harsh environments. It is a flexible device that can be used for mobile and stationary applications. Brightness can be remote controlled via a RS232 interface.

Aqeri 92201 has a IP54 sealed front and membrane buttons for OSD meny.

Features:

- > Compact 20,1" 4:3 LCD
- > IP54 Front
- > Mobile or stationary use
- > AC Power in, option 18-36VDC



Back

TECHNICAL SPECIFICATIONS

Display:	20,1" 4:3
Resolution:	1600x1200
Brightness:	300 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 89° ; Up/Down +/- 89°
Contrast:	800:1

I/O Interfaces

DVI-I:	x1
RS232:	x1 (Remote Brightness control)

CONNECTORS

DVI-I:	DVI
AC In:	MS 27466 MIL-C 38999 Serie
RS232:	9-pin D-SUB

PHYSICAL CHARACTERISTICS

Dimensions:	482 x 399,2 x 72mm (WxHxD)
Weight:	7 kg
Color:	Black, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	115-267 VAC 50/60Hz
Power consumption:	60W approx

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE
Temperature Operating:	0°C to +55°C
Temperature Storage:	-40 to + 71°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	30g, 12,5ms
Humidity:	5% to 95% non condensing
IP:	54 (front)
Altitude Operating:	3000m

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DEFENSE

Aqeri

93102

Small footprint Keyboard

Aqeri 93102 freestanding mini keyboard is rugged and fully sealed to survive in harsh environments. The use of table space is minimized as the pointing device is integrated in to the unit.

Features:

- > 83-key keyboard with tactile keys
- > Integrated pointing device
- > PS/2 interface in DB-9 connector
- > Small form factor



TECHNICAL SPECIFICATIONS

Keyboard:	Keyboard fitted with 83 keys, integral numeric keypad and Windows function keys. Tactile silicone pad over PVC covered membrane.
Keyboard Layout:	Swedish, Finnish, French, German, English (US and UK), Spanish, Russian, Italian and other layouts upon request.
Pointing Device:	Microsoft PS/2 compatible finger-actuated computer pointing module with two buttons.

I/O Interfaces

PS/2:	x1 (keyboard and mouse)
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CONNECTORS

PS/2:	DSUB
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PHYSICAL CHARACTERISTICS

Dimensions:	290 x 26 x 198mm (WxHxD)
Weight:	1.2 kg
Color:	Grey, any other colour optional

ELECTRICAL SPECIFICATIONS

Power requirements:	5VDC (from PS/2 interface)
Power consumption:	0,5W

ENVIRONMENTAL CHARACTERISTICS

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

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DEFENSE

Aqeri

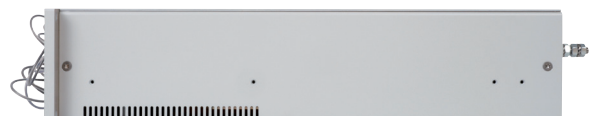
96247-01

2U Ethernet Switch

Aqeri 96247-01 is a rugged 19" Cisco-based military switch with redundant power supply for use in harsh environments. The unit can be powered with both AC and/or DC. 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 shocks and vibration. An internal heating and climate control system makes the unit usable in extremely low-temperature environments.

Features:

- > Fully sealed aluminum 19" 2U chassis
- > Based on Cisco WS-2960-24TT-L switch board
- > 24 x 10/100 Mbit in 38999 MIL connectors
- > Integrated heating and climate control with status port
- > 19-31 VDC and/or 90-264 VAC



TECHNICAL SPECIFICATIONS:

Switchboard: Cisco WS-2960-24 TT-L

I/O Interfaces

10/100 Mbit: x24

Gigabit Ethernet: x2

Console: x1

CONNECTORS

10/100 Mbit: MIL-DTL-38999

Gigabit Ethernet: MIL-DTL-38999

Console: DSUB

DC in: MIL-C-5015

PHYSICAL CHARACTERISTICS

Dimensions: 444 x 88 x 400mm (WxHxD)

Weight: 9.1 kg

Color: Grey, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 19-31 VDC and or 90-264 VAC 50-60Hz

Power consumption: 30W at 24 VDC, 65W at 230 VAC

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request): MIL-STD-461E

MIL-STD-1275B

MIL-STD-810G

European CE

TEMPEST SDIP-27 Level A, B, C: Option

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

Vibration Operating: 10-500Hz, 1,04rms

Shock Operating: 15g, 11ms, ½ sine wave

Humidity: 5% to 95% non condensing

Altitude Operating: 3000m

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DEFENSE

Aqeri

91301

Semi-Rugged 3U Server

Aqeri 91301 is a semi-rugged high performance server based on Intel XEON cpu and has a vast number of interfaces

The Aqeri 91301 withstand both shock and vibrations according to MIL-STD-810G as well as Fungus.

Features:

- > Rugged high performance dual XEON server
- > 3U stand-alone or 19" rack mounted computer
- > Resistance to shock and vibrations



TECHNICAL SPECIFICATIONS

Processor:	CPU Intel Xeon E5-1650 v3 3.5GHz
Memory:	Up to 1TB ECC 3DS LRDIMM
Operating system:	Windows, Linux
Storage:	2x SSD
RAID:	0, 1, 5, 10

CONNECTORS

Gigabit Ethernet:	x2
IPMI:	x1
USB 2.0:	x8
USB 3.0:	x4
VGA:	x1
RS232:	x1

PHYSICAL CHARACTERISTICS

Dimensions:	488 x 132 x 440mm (WxHxD)
Weight:	
Color:	Black

ELECTRICAL SPECIFICATIONS

Power requirements:	90-240VAC
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ENVIRONMENTAL CHARACTERISTICS

EMC:	IEC61000-4-2, 3, 4, 5, 6, Criteria A EN 300386 EN 61000-3-2 EN 61000-3-3 EN 61000-6-2 EN 61000-6-4 EN 61131-2
Temperature Storage:	-46°C to +71°C
Temperature Operating:	0°C to +30°C
Vibrations MIL-STD-810G:	514.6 Cat 4, 5-500Hz, 2.24G
Shock MIL-STD-810G:	6G 20ms Sawtooth
Humidity:	5% to 95% non condensing
Altitude Operating:	4500m
Fungus MIL-STD-810G Method 508.6	Compliant

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DEFENSE

Aqeri

91050-01

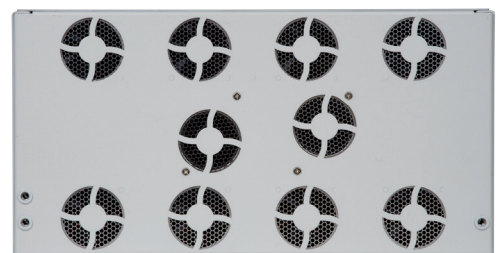
5U Computer

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
TEMPEST SDIP-27 Level A, B, C:	Option
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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DEFENSE

Aqeri

92230

23" LCD Display

The 92230 is a ruggedized military 23" wide screen display made for use in harsh environments. It is a flexible device that can be used for mobile and stationary applications. In the back it features VGA (DB15 HD) and DC in (3 pin military connector, cannon type). The monitor is made for wall mount, console mount or freestanding version.

Features:

- > Compact 23" Wide Screen
- > Mobile and stationary applications
- > 18-36VDC input



TECHNICAL SPECIFICATIONS

Display:	23" Wide
Resolution:	1920x1080
Brightness:	300 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 80° ; Up/Down +/- 80°

I/O Interfaces

VGA:	x1
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CONNECTORS

VGA:	HD-DSUB
DC In:	97B-3100A-10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions:	584 x 380 x 60mm (WxHxD)
Weight:	8 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	50W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

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

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DEFENSE

Aqeri 93700

Rugged Keyboard

Aqeri 93700 freestanding keyboard is rugged and fully sealed to survive in harsh environments. The use of table space is minimized as the pointing device is integrated in to the unit.

Såld till Ericsson

Features:

- > Sealed mechanical keys IP65
- > Integrated trackball 50 mm
- > USB interface in DB-9 connector
- > Operating temp -20° to +60° C



TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Keys:	Sealed mechanical
Key Travel:	0.4mm
Life Expectancy:	>1 million switch cycles
Ball Size:	50mm (2")
Resolution:	200 pulses/ball revolution
Ball Revolutions:	>6 million

ELECTRICAL AND ELECTRONIC

Interface:	1 x DB9 DSUB Connector (keyboard & trackball)
Power requirements:	5VDC (via DSUB interface)

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 44 x 198mm (WxHxD)
Weight:	2.8 kg
Color:	Gray

ENVIRONMENTAL CHARACTERISTICS

Temperature Operating:	-20°C to +60°C
Temperature Storage:	-40°C to +85°C
Seal:	IP65
Vibration:	5G, 5-2KHz any plane
Relative Humidity:	95% non condensing

GENERAL

MTBF:	60,000 hours
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DEFENSE

Aqeri 91022

Mobile Computer

The Aqeri 91022 Mobile Computer is a small form factor product designed to be deployed in areas with the most harsh environments and space critical demands. A typical scenario is deployed vehicles where space and weight is critical. The Aqeri 91022 computer can be mounted stand-alone or as an option in 19" racks. Aqeri 91022 has the latest high performance processor, 6th generation Intel Haswell and is expandable with up to 2 SSD drives in a RAID configuration for mission critical data.

As a standard the Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control) is implemented. The Aqeri 91022 has designed filtering to comply with MIL-STD-461E levels. As an option Aqeri 91022 can be ordered as a TEMPEST SDIP-27 Level A certified product to comply with NATO compromising emanations standards.

Features:

- > 6th generation Intel Haswell CPU
- > Aqeri next generation Rugged mobile computer
- > Ideal for C4ISR Areas
- > Fully sealed aluminum chassis
- > Integrated Climate Control
- > 9-36 VDC for Vehicle applications
- > For use in harsh environments



TECHNICAL SPECIFICATIONS

Processor:	6 th gen Intel Core i7-6820EQ 3.5Ghz, 8Mb cache
Storage:	1-2 2,5" SSD
Memory:	DDR4 up to 64Gb
Graphics:	Intel HD Graphics Gen 9

I/O Interfaces:

USB:	x4
Gigabit Ethernet:	x2 (Fiber as option)
VGA:	x1
RS232:	x1

CONNECTORS

USB:	AMC
Gigabit Ethernet:	AMC
VGA:	AMC
RS232:	AMC

PHYSICAL CHARACTERISTICS

Dimensions:	220 x 88 x 280mm (WxHxD)
Weight:	4,6 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	9-36 VDC
Power consumption:	Max 70W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill (other standards on request):	MIL-STD-461E MIL-STD-1275D MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	Option
Protection:	IP65
Temperature Operating:	-32 °C to +55 °C
Vibration Operating:	5-500Hz 2, 18g rms
Shock Operating:	40g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing

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DEFENSE

Aqeri

91200

2U Rugged Server

Aqeri 91200 is a rugged high performance server for use in harsh environments. Its' unique cooling system makes it possible to use dual Xeon processors with very high performance from Intel®. The chassis is fully sealed for protection against dust and corrosive elements. The rugged design gives protection against shock and vibration.

Features:

- > Rugged high performance dual XEON server
- > 2U 19"
- > IP54 sealed
- > Fiber and copper gigabit ethernet



TECHNICAL SPECIFICATIONS

Processor:	2x Intel® Xeon® Processor E5-2618L v2 (15M Cache, 2.00 GHz)
Memory:	Up to 512Gb ECC DDR3 1866Mhz
Operating system:	Optional, Windows, Linux, VmWare
Storage:	2x 2,5" SSD RAID1
Graphics:	Matrox G200eW 16Mb DDR2

I/O Interfaces:

USB 2.0:	x6
Gigabit Ethernet Copper:	x2
Gigabit Ethernet Fiber:	x2
DVI-D:	x1

CONNECTORS

USB 2.0:	20WC98PN
Gigabit Ethernet Copper:	20WB35PN
Gigabit Ethernet Fiber:	LCF TV 20GN
VGA:	20WE26PN
DC In:	MS3102E10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 88 x 450mm (WxHxD)
Weight:	10kg
Color:	Green, option any color

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC)
Power consumption:	100W@ 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill (other standards on request):	MIL-STD-461E MIL-STD-1275B MIL-STD-810G
Temperature Operating:	-20°C to +55°C
Vibration Operating (depending on configuration):	5-500Hz 4,5g rms
Shock Operating (depending on configuration):	40g, 11ms, saw tooth
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

91031

3U Computer

The Aqeri 91031 is a front accessible 19" 3U computer for use in harsh environments. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminium construction allows for low radiation and high noise immunity. The internal heating and climate control system guarantees operations in extreme temperature environments.

Features:

- > Intel i7 Hashwell CPU
- > Fully sealed, compact chassi only 3U,19"
- > Available in version with 38999 connector as well as commercial connectors



TECHNICAL SPECIFICATIONS

Processor:	Intel® i7 Hashwell 4770 TE
Memory:	8GB RAM
Operating system:	Optional, Windows, Linux
Storage:	1x1TB HDD or 1x512GB SSD

I/O Interfaces:	
USB:	x2
Gigabit Ethernet:	x1
VGA (stretched or cloned desktop):	x1
RS232:	x1
DVD/RW:	x1
Graphics:	nVidia PCIe x16

Expansion:	x2 Free PCI 32 Bit rev 2.2 slots
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CONNECTORS

USB:	Commercial
Ethernet:	RJ45 commercial
VGA:	DB15 HD commercial
RS232:	DB9 commercial
DC in:	MS3106F 10SL-3S MIL

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 132.50 x 500mm (WxHxD)
Weight:	13 kg
Color:	Green

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC) Option 230VAC
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ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-1275B (DC version) 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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DEFENSE

Aqeri

89001

Rugged mini PDU

Aqeri 89001 is a rugged compact fan-less Power Distribution Unit (PDU) for harsh environments. The PDU has up to five distribution channels. An internal climate control system makes the unit usable in extremely low and high temperature environments.

The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum design stands for low radiation and high noise immunity.

Features:

- > PDU with up to five distribution channels
- > Small form factor, Half 19"
- > Rugged design gives protection against shock and vibration



TECHNICAL SPECIFICATIONS

I/O Interfaces

DC In:	x2
DC Out:	x5

CONNECTORS

DC In:	97B-3100A10SL-3P
DC Out:	97B-3100A10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions:	220 x 65,8 x 300mm (WxHxD)
Weight:	2,5 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	18-36VDC
Power outlet:	max 480W

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE

TEMPEST SDIP-27 Level A, B, C:

Option	
Temperature Operating:	-20°C to +55°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	40g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

96102

Mobile Router

Aqeri 96102 Mobile Router and Integrated Ethernet switch is based on Cisco 5915 Embedded Service Router. The Aqeri 96102 is a small form factor product designed to be deployed in areas with the most demanding environments. A typical scenario is deployed vehicles where space and weight is critical.

The Router has integrated Ethernet switching function and Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control). The Aqeri 96012 has a designed filtering system to comply with MIL-STD-461E Army Ground levels. As an option Aqeri 96102 can be ordered as a TEMPEST SDIP-27 Level A certified product to comply with NATO compromising emanations standards.

Features:

- > Ideal for C4ISR Areas
- > For use in harsh environments
- > Fully sealed aluminum chassis
- > Integrated Climate Control
- > 9-32 VDC for Vehicle applications



TECHNICAL SPECIFICATIONS

Routerboard: Cisco 5915 Embedded Service Router

CONNECTORS

RJ45: 6
100Mbit Ethernet Routed Parts: 2
100Mbit Ethernet Switched Parts: 3
Console Port: 1
Purge button: 1

PHYSICAL CHARACTERISTICS

Dimensions: 150 x 75 x 220mm (WxHxD)
Weight: 3 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 9-32 VDC
Power consumption: Max 12W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(other standards on request): MIL-STD-461E Army Ground Level
MIL-STD-1275D
MIL-STD-810G
European CE

TEMPEST SDIP-27 Level A, B, C:

Protection: Option
IP65
Temperature Operating: -32 °C to +55 °C
Vibration Operating
(depending on configuration): 5-500Hz 2,18g rms
Shock Operating
(depending on configuration): 40g, 11ms, ½ sine wave
Humidity: 5% to 95% non condensing
Altitude Operating: 3000m

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DEFENSE

Aqeri

98212

4U Router

Aqeri 98212 is a military router based on Cisco 2821-HSEC/9. It is equipped with Cisco modules for Ethernet, FXS, V35, ISDN etc. The Aqeri 98212 has internal climate control for use in a wide temperature area and a temperature monitoring port for alarm output. Further, it features has an internal redundant AC power unit.

Features:

- > 19" 4U
- > Redundant 90-264 VAC-in power, 50-60 Hz
- > Temperature monitoring
- > Interfaces for Ethernet, FXS, V35, ISDN, Console etc.



TECHNICAL SPECIFICATIONS**Router Board:** Cisco 2821-HSEC/9**I/O Interfaces**

10/100 Mbit: x18
FXS: x2
V.35: x4
ISDN: x1
Aux: x1
Console: x1
Temp Monitoring: x1

CONNECTORS

10/100 Mbit: MIL 38999
FXS: MIL 38999
V.35: MIL 38999
ISDN: MIL 38999
Aux: DSUB
Console: DSUB
Temp Monitoring: MIL 38999
AC In: MIL 38999

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 177 x 504mm (WxHxD)
Weight: 17 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 90-264 VAC, 50-60Hz (Internal Redundant Power Supply)
Power consumption: 110W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS**Designed to fulfill**

(Other standards on request): MIL-STD-461E
MIL-STD-810G
European CE

TEMPEST SDIP-27 Level A, B, C:

Temperature Operating: Option
-20°C to +55°C
Vibration Operating: 20-2000Hz 0,04g rms
Shock Operating: 40g, 6ms, ½ sine wave
Humidity: 5% to 95% non condensing
Altitude Operating: 3000m

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DEFENSE

Aqeri

92400

Rugged Display

The 92400 is a ruggedized military 40" wide screen display made for use in harsh environments. Aqeri 92400 features VGA and/or DVI input and the display can be wall or panel mounted and used free standing.

Features:

- > Compact 40" Wide Screen
- > Mobile and stationary applications Air, Sea and Land
- > High contrast and brightness
- > 18-36 VDC (AC as option)



TECHNICAL SPECIFICATIONS

Display:	40"
Resolution:	1920x1080 (16:9)
Brightness:	700 cd/m ²
Colors:	16.7 Million
Viewing Angle:	(Horizontal / Vertical): 178° / 178°
Contrast:	3500:1

I/O Interfaces

VGA:	x1
DVI:	x1

CONNECTORS

VGA:	15 HDSUB
DVI:	DVI-D
DC In:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	1075 x 609 x 82mm (WxHxD)
Weight:	26,5 kg
Color:	Black, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	24VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	125W @24VDC

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275 MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
Temperature Operating:	0°C to +55°C (-20°C to +55°C as an option)
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	15g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Shielding:	Front IP65
Altitude Operating:	3000m

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DEFENSE

Aqeri

96200

5U Router

Aqeri 96200 is a 5U high performance rugged Router based on Cisco 3825 integrated services router with an embedded computer module as an option. The unit is equipped with both single and multi mode fiber. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum construction stands for low radiation and high noise immunity. The rugged design gives protection against shocks and vibration.

Features:

- > Based on Cisco 3825
- > 24 VDC power supply (18-36 VDC)
- > Computer module NME-APPRE-522-K9



TECHNICAL SPECIFICATIONS

Router Board:	Cisco 3825-DC
Processor:	1x 1.4 GHz Pentium M
Memory:	2Gb DDR2
Operating system:	Cisco IOS
Storage:	1x 2,5" HDD/SSD drive
I/O Interfaces	
Console:	x1
100 Mbit Multimode:	x12
100 Mbit Singlemode:	x4 (2 ports in each connector)
FXO:	x4
FXS:	x4
2 Mbit E1:	x8
Serial High-Speed WAN:	x4

CONNECTORS

Console:	DSUB
100 Mbit Multimode:	DC
100 Mbit Singlemode:	Foks4
FXO:	RJ11
FXS:	RJ11
2 Mbit E1:	BNC
Serial High-Speed WAN:	DSUB
DC In:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	444 x 221.6 x 508mm (WxHxD)
Weight:	19 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	150W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
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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DEFENSE

Aqeri

94100

Rugged All-in-one

The Aqeri 94100 is a ruggedized military 10" all-in-one computer and display made for use in harsh environments.

It has the latest high performance Intel processor, 4th generation Core i7 Quad Core processor. Attached is a QWERTY keyboard with integrated mouse, 16 user programmable functions buttons, resistive touch display with the possibility to turn off touch function, integrated LOG function to read total up-times.

As a standard the Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control) is implemented.

Features:

- > 4th generation Intel Core i7 Quad Core CPU
- > Computer, 10" Display and Keyboard in one
- > ASCC functions as standard
- > Designed to comply with MIL-STD-461E Army Ground Levels



TECHNICAL SPECIFICATIONS

Processor:	4th generation Intel I7-4710HQ quad core 2.5Ghz, 6MB cache
Memory:	DDR3 up to 16Gb
Operating system:	Optional, Windows, Linux
Storage:	1x SSD SLC Wide Temp 128Gb
Graphics:	Intel HD Graphics 4600 shared memory up to 1024Mb
Resolution:	1024x768
Brightness:	500 cd/m ² LED
Colors:	16.2 Million
Viewing Angle:	176(H) / 176(V)
Contrast:	1200:1
Functions keys:	2x8
Touch witch on/off control:	Resitive

KEYBOARD

Keyboard:	QWERTY with integrated mouse
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I/O INTERFACES

USB 2.0:	x3
Gigabit Ethernet:	x2
VGA:	x1
Audio HD, MIC IN, AUDIO OUT:	x1
RS232/RS422/RS485:	x6
Log:	x1

CONNECTORS

USB 2.0:	USBF TV21G
Gigabit Ethernet:	RJF TV21G
VGA:	38999
Audio HD, MIC IN, AUDIO OUT:	38999
RS232/RS422/RS485:	38999
Log:	RJF TV21G
DC In:	38999

PHYSICAL CHARACTERISTICS

Dimensions:	360x 278x 150 (WxHxD with closed keyboard)
Weight:	10 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC)
Power consumption:	35W at 28VDC

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275D MIL-STD-810G European CE
MIL-STD-810G	
Temperature Operating:	-20°C to +55°C
Temperature Storage:	-40°C to +70°C
Humidity:	507.5 Proc II
Vibration:	514.6 Proc I Ground Mobile
Shock:	516.5 Proc I and IV 40G, 11ms
IP:	65
Salt fog:	509.5
Rain:	506.5 Proc II
Sand & Dust:	510.5 Proc I and II
Solar radiation:	505.5

MIL-STD-461E	RE102 RS103 CE102 CS101 CS114
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Defense

Aqeri

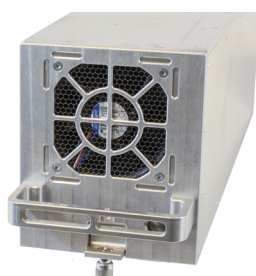
91410

Rugged Computer

The 91410 is a rugged computer in 4U chassis with up to 3 swappable computer modules. Each module containing Intel Server Xeon processor and PCI / PCIe interfaces for additional add-in boards.

Features:

- > 3 Xeon Servers in 1
- > Single or Dual Modules
- > Support Aircraft Power Supply
- > Lockable Server Modules



Single module front



Single module back



TECHNICAL SPECIFICATIONS:

Processor:	Intel E3-1275V2 3.5Ghz
Memory:	16GB DDR3
Operating system:	Windows, Linux
Storage:	Up to 5 2.5" SSD (option RAID 0, 1, 5, 10)

I/O Interfaces:

Gigabit Ethernet:	x2
DVI:	x1
USB:	x2 (Optional x10)
PCIeX16:	x1
PCI-X:	x2
PCI:	x1

CONNECTORS

Gigabit Ethernet:	RJ45
DVI:	DVI Dual Female
USB:	USB A

PHYSICAL CHARACTERISTICS:

Dimensions:	486 x 195 x 511mm (WxHxD)
Weight:	Depending on configuration
Color:	Treated aluminum, other optional

ELECTRICAL SPECIFICATIONS:

Power requirements:	AC 90-254VAC 50Hz (option 115VAC/400Hz)
Power consumption:	105W

ENVIRONMENTAL CHARACTERISTICS:

Design to fulfill	European CE
(Other standards on request):	0°C to +45°C
Temperature Operating:	
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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DEFENSE

Aqeri

92171

Double 17" Display

The Aqeri 92171 is a rugged double 17" LCD display for use in harsh environments. A fully aluminum construction stands for low radiation. The rugged design gives protection against shocks and vibration. An internal heating and climate control system makes the unit usable in extremely low temperature environments.

Features:

- > 2x17" SXGA 1280x1024 TFT LCD
- > Brightness 300cd/m2
- > Displays up to 16.7 million colors
- > Slim line



TECHNICAL SPECIFICATIONS

Display:	2x 17"
Resolution:	1280x1024
Brightness:	300 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 88°; Up/Down +/- 88°

I/O Interfaces

VGA:	x2
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CONNECTORS

VGA:	HD-DSUB
DC In:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	840 x 330 x 57mm (WxHxD)
Weight:	8 kg
Color:	Grey, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	50W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request):	MIL-STD-461E
	MIL-STD-1275B
	MIL-STD-810G
	European CE

Option

TEMPEST SDIP-27, Level A, B, C:	Option
Temperature Operating:	-20°C to +55°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	15g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

91202

Semi-Rugged 2U Server

Aqeri 91202 is a semi-rugged high performance server based on Intel XEON processor and has a vast number of interfaces.

The Aqeri 91202 withstand both shock and vibrations according to MIL-STD-810G as well as Fungus.

Features:

- > Rugged high performance dual XEON server
- > 2U stand-alone or 19" rack mounted computer
- > Resistance to shock and vibrations



TECHNICAL SPECIFICATIONS

Processor:	CPU Intel Xeon E5-1650 v3 3.5GHz
Memory:	Up to 1TB ECC 3DS LRDIMM
Operating system:	Windows, Linux
Storage:	3x SSD
RAID:	0, 1, 5, 10

CONNECTORS

Gigabit Ethernet:	x2
IPMI:	x1
USB 2.0:	x8
USB 3.0:	x4
VGA:	x1
RS232:	x1

PHYSICAL CHARACTERISTICS

Dimensions:	450 x 89 x 440mm (WxHxD)
Weight:	
Color:	Black

ELECTRICAL SPECIFICATIONS

Power requirements:	90-240VAC
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ENVIRONMENTAL CHARACTERISTICS

EMC:	IEC61000-4-2, 3, 4, 5, 6, Criteria A EN 300386 EN 61000-3-2 EN 61000-3-3 EN 61000-6-2 EN 61000-6-4 EN 61131-2
Temperature Storage:	-46°C to +71°C
Temperature Operating:	0°C to +30°C
Vibrations MIL-STD-810G:	514.6 Cat 4, 5-500Hz, 2.24G
Shock MIL-STD-810G:	6G 20ms Sawtooth
Humidity:	5% to 95% non condensing
Altitude Operating:	4500m
Fungus MIL-STD-810G Method 508.6	Compliant

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DEFENSE

Aqeri

93103

Freestanding/Rack PS/2 Keyboard

Aqeri 93103 freestanding keyboard is rugged and fully sealed to survive in harsh environments. The use of table space is minimized as the pointing device is integrated in to the unit.

Features:

- > 83-key keyboard with tactile keys
- > Integrated pointing device
- > PS/2 interface in DB-9 connector



TECHNICAL SPECIFICATIONS

Keyboard:

Keyboard fitted with 83 keys, integral numeric keypad and Windows function keys. Tactile silicone pad over PVC covered membrane.

Keyboard Layout:

Swedish, Finnish, French, German, English (US and UK), Spanish, Russian, Italian and other layouts upon request.

Pointing Device:

Microsoft PS/2 compatible finger-actuated computer pointing module with two buttons.

I/O Interfaces

PS/2:

x1 (keyboard and mouse)

CONNECTORS

PS/2:

DSUB

PHYSICAL CHARACTERISTICS

Dimensions:

400 x 26 x 198mm (WxHxD)

Weight:

1.2 kg

Color:

Grey, any other colour optional

ELECTRICAL SPECIFICATIONS

Power requirements:

5VDC (from PS/2 interface)

Power consumption:

0,5W

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request):

MIL-STD-461E

MIL-STD-1275B

MIL-STD-810G

European CE

TEMPEST SDIP-27 Level A, B, C:

Option

Temperature Operating:

-20°C to +55°C

Vibration Operating:

10-500Hz 1,04g rms

Shock Operating:

15g, 11ms, 1/2 sine wave

Humidity:

5% to 95% non condensing

Altitude Operating:

3000m

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DEFENSE

Aqeri

94100

Rugged All-in-one

The Aqeri 94100 is a ruggedized military 10" all-in-one computer and display made for use in harsh environments.

It has the latest high performance Intel processor, 4th generation Core i7 Quad Core processor. Attached is a QWERTY keyboard with integrated mouse, 16 user programmable functions buttons, resistive touch display with the possibility to turn off touch function, integrated LOG function to read total up-times.

As a standard the Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control) is implemented.

Features:

- > 4th generation Intel Core i7 Quad Core CPU
- > Computer, 10" Display and Keyboard in one
- > ASCC functions as standard
- > Designed to comply with MIL-STD-461E Army Ground Levels



TECHNICAL SPECIFICATIONS

Processor:	4th generation Intel I7-4710HQ quad core 2.5Ghz, 6MB cache
Memory:	DDR3 up to 16Gb
Operating system:	Optional, Windows, Linux
Storage:	1x SSD SLC Wide Temp 128Gb
Graphics:	Intel HD Graphics 4600 shared memory up to 1024Mb
Resolution:	1024x768
Brightness:	500 cd/m ² LED
Colors:	16.2 Million
Viewing Angle:	176(H) / 176(V)
Contrast:	1200:1
Functions keys:	2x8
Touch witch on/off control:	Resitive

KEYBOARD

Keyboard:	QWERTY with integrated mouse
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I/O INTERFACES

USB 2.0:	x3
Gigabit Ethernet:	x2
VGA:	x1
Audio HD, MIC IN, AUDIO OUT:	x1
RS232/RS422/RS485:	x6

CONNECTORS

USB 2.0:	USBF TV21G
Gigabit Ethernet:	RJF TV21G
VGA:	38999
Audio HD, MIC IN, AUDIO OUT:	38999
RS232/RS422/RS485:	38999
DC In:	38999

PHYSICAL CHARACTERISTICS

Dimensions:	360x 278x 150 (WxHxD with closed keyboard)
Weight:	10 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC)
Power consumption:	35W at 28VDC

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275D MIL-STD-810G European CE
MIL-STD-810G	
Temperature Operating:	-20°C to +55°C
Temperature Storage:	-40°C to +70°C
Humidity:	507.5 Proc II
Vibration:	514.6 Proc I Ground Mobile
Shock:	516.5 Proc I and IV 40G, 11ms
IP:	65
Salt fog:	509.5
Rain:	506.5 Proc II
Sand & Dust:	510.5 Proc I and II
Solar radiation:	505.5
MIL-STD-461E	RE102 RS103 CE102 CS101 CS114

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DEFENSE

Aqeri

92100

10,4" LCD Display

The Aqeri 92100 is a ruggedized military 10,4" 4:3 LCD display made for use in harsh environments. It is a flexible device that can be used for mobile and stationary applications. It has 16 function keys in the front.

Features:

- > Compact 10,4" 4:3 LCD
- > Mobile or stationary use
- > DC Power 18-36 VDC



TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Display:	10,4" 4:3
Resolution:	1024x768
Brightness:	500 cd/m ² LED
Colors:	16.2 Million
Viewing Angle:	176 (H) / 176(V)
Contrast:	1200:1

I/O Interfaces

DVI:	x1
RS422:	x1

CONNECTORS

DVI:	TBD
DC In:	TBD
RS422:	TBD

PHYSICAL CHARACTERISTICS

Dimensions:	270 x 280 x 75mm (WxHxD)
Weight:	3 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC)
Power consumption:	10W approx

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request)	MIL-STD-461E MIL-STD-810G European CE
Temperature Operating:	-10°C to +55°C
Temperature Storage:	-20°C to +70°C
Humidity:	507.5 Proc II
Vibration:	514.6 Proc I Ground Mobile
Shock:	516.5 Proc I and IV 40G, 11ms

MIL-STD-461E:	RE102 RS103 CE102 CS101 CS114
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DEFENSE

Aqeri

96103

Mobile Router

Aqeri 96103 Mobile Router and Integrated Ethernet switch is based on Cisco 5915 Embedded Service Router. The Aqeri 96103 is a small form factor product designed to be deployed in areas with the most demanding environments. A typical scenario is deployed vehicles where space and weight is critical.

The Router has integrated Ethernet switching function and Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control). The Aqeri 96103 has a designed filtering system to comply with MIL-STD-461E Army Ground levels. As an option Aqeri 96103 can be ordered as a TEMPEST SDIP-27 Level A certified product to comply with NATO compromising emanations standards.

Features:

- > Ideal for C4ISR Areas
- > For use in harsh environments
- > Fully sealed aluminum chassis
- > Integrated Climate Control
- > 9-32 VDC for vehicle applications



TECHNICAL SPECIFICATIONS

Routerboard: Cisco 5915 Embedded Service Router

CONNECTORS

AMC Advanced Military Connectors: 6

100Mbit Ethernet Routed Parts: 2

100Mbit Ethernet Switched Parts: 3

Console Port: 1

Purge button: 1

PHYSICAL CHARACTERISTICS

Dimensions: 150 x 75 x 220mm (WxHxD)

Weight: 3 kg

Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 9-32 VDC

Power consumption: Max 12W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(other standards on request): MIL-STD-461E Army Ground Level

MIL-STD-1275D

MIL-STD-810G

European CE

TEMPEST SDIP-27 Level A, B, C: Option

Protection: IP65

Temperature Operating: -32 °C to +55 °C

Vibration Operating: 5-500Hz 2,18g rms

Shock Operating: 40g, 11ms, ½ sine wave

Humidity: 5% to 95% non condensing

Altitude Operating: 3000m

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DEFENSE

Aqeri

92240A

24" LCD Monitor

The 92240A is a ruggedized military 24" wide screen monitor made for use in harsh environments. It is a flexible device that can be used for mobile and stationary applications. In the back it features VGA (DB15 HD) and DC in (3 pin military connector, cannon type). The monitor is made for wall mount, console mount or freestanding version.

Features:

- > Compact 24" Wide Screen
- > Mobile and stationary applications
- > 18-36VDC input



TECHNICAL SPECIFICATIONS

Display:	24" Wide
Resolution:	1920x1080
Brightness:	300 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 80° ; Up/Down +/- 80°

I/O Interfaces

VGA:	x1
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CONNECTORS

VGA:	HD-DSUB
DC In:	97B-3100A-10SL-3P

PHYSICAL CHARACTERISTICS

Weight:	8 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	50W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275B MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
Temperature Operating/Storage:	-20°C to +55°C / -30°C to +60°C
Vibration Operating:	10-500Hz 1,04g rms
Shock Operating:	15g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

96400

IP-phone

Aqeri 96400 is our next generation rugged IP phone specially designed for military applications. The IP phone delivers the latest technology and advancements in IP telephony. It provides communication over the same data network as your computer, allowing you to place and receive phone calls, put calls on hold, transfer calls, make conference calls, and so on. Aqeri 96400 is built into a fully sealed and vibration proof aluminum chassis.

Features:

- > High-resolution grayscale display for easy use of Cisco unified Communications and third-party telephone applications
- > Streamlined access to communications information, timesaving applications, and feature usage details
- > A high-quality hands-free speakerphone and built-in headset connection
- > Support for PoE (Power over Ethernet)
- > Table- or wallmounted, VESA 100



TECHNICAL SPECIFICATIONS

Phone:	Cisco Unified IP Phone 7962G
Codec Support:	G.711a, G.711μ, G.729a, G.729ab, G.722, and iLBC audio compression
Quality of Service (QoS) Options:	Supports differentiated services code point (DSCP) and 802.1Q/p standards
Quality of Services:	Traffic classification by ACL, IEEE 802.1p/Q, DownStreamQoS™, Priority, Weighted fair queuing (WFQ), Hierarchical traffic classes
Signaling Protocols:	Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP) with Cisco call control
Ethernet Switch:	Internal 2-port Cisco Ethernet switch allows for a direct connection to a 10/100BASE-T Ethernet network through an RJ-45 interface with single LAN connectivity for both the phone and a colocated PC. System administrator can designate separate VLANs (802.1Q) for the PC and phone, providing improved security and reliability of voice and data traffic.

For more technical details, see Cisco web

I/O Interfaces:

Ethernet:	x2
Aux:	x1
Headset:	x1 (Peltor™ ComTac XP Headset as an option)
DC in:	x1

CONNECTORS

Ethernet:	RJ45
Aux:	Hirose
Headset:	RJ45
DC In:	MS3106F 10SL-35

PHYSICAL CHARACTERISTICS

Dimensions:	285 x 52 x 228.5mm (WxHxD)
Weight:	3 kg
Color:	Green, optional any color

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC) or IEEE 802.3af PoE (Class 2)PoE
Power consumption:	5W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E
	CE102
	CE101
	RE102
	CS114
	CS115
	CS116
	MIL-STD-810G
	500.5 Low Pressure, 40.000 feet non op, 30.000 feet op
	501.5 High Temp +70C non op, +55 op
	502.5 Low Temp -40C non op, -30 op
	508.6 Fungus
	514.6 Vibration Ground vehicle/wheeled tracked trailer
	516.6 Shock 20g / 11ms
	507.5 Humidity 5-95% non condensing
	510.5 Sand and Dust

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DEFENSE

Aqeri

92190

19" LCD Display

The Aqeri 92190 is a rugged 19" display for use in harsh environments. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum construction allows low radiation and high noise immunity (in accordance with MIL-STD 461 E/F). The internal heating and climate control system guaranties operations in extreme temperature environments.

Features:

- > 19" 1280x1024 TFT LCD
- > Brightness 300cd/m²
- > Displays up to 16,7 million colors



TECHNICAL SPECIFICATIONS

Display:	19"
Resolution:	1280x1024
Brightness:	300 cd/m ²
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 80°; Up/Down +/- 80°

I/O Interfaces

VGA:	x1
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CONNECTORS

VGA:	MS3114F14-19S
DC In:	MS3114A12-3PY

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 400 x 80mm (WxHxD)
Weight:	8 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	47W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

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

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DEFENSE

Aqeri

98213

4U Router

Aqeri 98213 is a military router based on Cisco 2821-HSEC/9. It is equipped with Cisco modules for Ethernet, FXS, V35, ISDN etc. The unit has internal climate control for use in a wide temperature area and a temperature monitoring port for alarm output. Further, the router has an internal redundant AC power unit.

Features:

- > 19" 4U semi-sealed chassis
- > Redundant 90-264 VAC-in power, 50-60 Hz
- > Temperature monitoring
- > Interfaces for Ethernet, FXS, V35, ISDN, console, etc.



TECHNICAL SPECIFICATIONS

Router Board: Cisco 2821-HSEC/9

I/O Interfaces

10/100 Mbit: x2
FXS: x2
V.35: x2
ISDN: x1
Aux: x1
Console: x1
Temp Monitoring: x1

CONNECTORS

10/100 Mbit: MIL 38999
FXS: MIL 38999
V.35: MIL 38999
ISDN: MIL 38999
Aux: DSUB
Console: DSUB
Temp Monitoring: MIL 38999
AC In: MIL 38999

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 177 x 504mm (WxHxD)
Weight: 17 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 90-264 VAC, 50-60Hz (Internal Redundant Power Supply)
Power consumption: 110W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(Other standards on request): MIL-STD-461E
MIL-STD-810G
European CE
TEMPEST SDIP-27 Level A, B, C: Option
Temperature Operating: -20°C to +55°C
Vibration Operating: 20-2000Hz 0,04g rms
Shock Operating: 40g, 6ms, ½ sine wave
Humidity: 5% to 95% non condensing
Altitude Operating: 3000m

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DEFENSE

Aqeri

98211

4U Router

Aqeri 98211 is a military router based on Cisco 2821-HSEC/9. The unit is equipped with Cisco modules for Ethernet, FXO, FXS, V35, ISDN etc. Aqeri 98211 has internal climate control for use in a wide temperature area and a temperature monitoring port for alarm output. Further, it has an internal redundant AC power unit and a 24VDC outlet for driving external equipment.

Features:

- > 19" 4U
- > Redundant 90-264 VAC, 50-60 Hz
- > 24VDC outlet
- > Temperature monitoring
- > Interfaces for Ethernet, FXO, FXS, V35, ISDN, Console, etc.



TECHNICAL SPECIFICATIONS**Router Board:** Cisco 2821-HSEC/9**I/O Interfaces**

10/100 Mbit:	x6
FXO:	x4
FXS:	x2
V.35:	x8
ISDN:	x1
Aux:	x1
Console:	x1
Temp Monitoring:	x1
24VDC 5A:	x1

CONNECTORS

10/100 Mbit:	MIL 38999
FXO:	MIL 38999
FXS:	MIL 38999
V.35:	MIL 38999
ISDN:	MIL 38999
Aux:	DSUB
Console:	DSUB
Temp Monitoring:	MIL 38999
24VDC 5A:	MS3100F 10SL-3S
AC In:	MIL 38999

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 177 x 504mm (WxHxD)
Weight:	17 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	90-264 VAC, 50-60Hz (Internal Redundant Power Supply)
Power consumption:	110W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A, B, C:	
Temperature Operating:	-20°C to +55°C
Vibration Operating:	20-2000Hz 0,04g rms
Shock Operating:	40g, 6ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	3000m

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DEFENSE

Aqeri

88001

Rugged mini Video Matrix

The Aqeri 88001 Rugged Video Matrix Switch allows video from 2 computers to be routed to 4 monitors and projectors. Ideal for presentations and applications where information from multiple computers is being delivered to multiple destinations.

The Aqeri 88001 Video Matrix comes in a small form factor chassis ideal for space critical environments such as installation in vehicles. It can be mounted in a 19" rack single or together in pairs as well as stand alone or on a wall. This is a mini Video Matrix ideal for harsh environments.

Features:

- > Allows video from 2 computers to be routed to 4 monitors and projectors
- > Small form factor, half 19", for space critical environments
- > Mounting: Stand alone, 19" rack single or together in pairs, wall mount
- > For use in harsh environments



Aqeri 88001 Rugged mini Video Matrix



Aqeri mini-series stacked for rack mounting together in pairs

TECHNICAL SPECIFICATIONS

Video Input:	Impedance 75 Ω Max Distance 1.8 m
Video Output:	Impedance 75 Ω Video Max Bandwidth 200 MHz

I/O Interfaces	
VGA in:	x2
VGA out:	x4
DC In:	x1

CONNECTORS	
VGA in:	AMC
VGA out:	AMC
DC In:	MS3102E10SL-3P

PHYSICAL CHARACTERISTICS	
Dimensions:	220 x 66 x 300mm (WxHxD)
Weight:	2.45 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS	
Power requirements:	9-36VDC Nominal 12VDC and 24VDC
Power consumption:	TBD

ENVIRONMENTAL CHARACTERISTICS	
Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G MIL-STD-1275D European CE
TEMPEST SDIP-27 Level A, B, C:	Option

IP Protection:	66
Temperature Operating:	-20°C to +55°C
Vibration Operating:	Method 514.5
Shock Operating:	40g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	4572m / 15000ft

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DEFENSE

Aqeri

92321

32" Rugged Display

The 92321 is a ruggedized military 32" wide screen display made for use in harsh environments. Aqeri 92321 features DVI input and the display can be wall or panel mounted and used free standing.

Features:

- > Compact 32" Wide Screen
- > IP65
- > Mobile and stationary applications Air, Sea and Land
- > High contrast and brightness
- > Capacitive Touch with TUIO driver (also available without touch)



TECHNICAL SPECIFICATIONS

Display:	32"
Resolution:	1920x1080
Brightness:	400 cd/m ² LED
Colors:	16.7 Million
Viewing Angle:	Left/Right +/- 89° ; Up/Down +/- 89°
Contrast:	3000:1
Touchscreen:	Capacitive with TUIO driver

I/O Interfaces

DVI-D:	x1
USB Touch:	x1

CONNECTORS

DVI-D:	DVI-D
Touch:	USB-A
AC In:	MS27466T09F98

PHYSICAL CHARACTERISTICS

Dimensions:	825 x 500 x 75mm (WxHxD)
Weight:	15 kg
Color:	Black, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	100-240VAC 50/60 Hz, 28 VDC as option
Power consumption:	60W approx

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E RE102 CE102 RS103 CS101 CS106 MIL-STD-810G European CE Option
TEMPEST SDIP-27 Level A,B,C:	Option
IP Protection:	IP65
Temperature Operating:	0°C to +55°C (-20°C to +55°C as an option)
Vibration Operating:	MIL-STD-167-1 Type I 0.25 mm (4 Hz to 14 Hz) 0.2g (15 Hz to 100 Hz)
Shock Operating:	MIL-STD-810 516.5 Proc I 40g, 11ms, ½ sine wave
Humidity:	5% to 95% non condensing
Altitude Operating:	4572m/15000ft

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DEFENSE

Aqeri

93101

Freestanding/Rack USB Keyboard

The freestanding keyboard, Aqeri 93101, is rugged and fully sealed to survive in harsh environments. The use of table space is minimized as the pointing device is integrated in to the unit.

Features:

- > 83-key keyboard with tactile keys
- > Integrated pointing device
- > USB interface in DB-9 connector
- > Slides for rack mount



TECHNICAL SPECIFICATIONS**Keyboard:**

Keyboard fitted with 83 keys, integral numeric keypad and Windows function keys. Tactile silicone pad over PVC covered membrane.

Keyboard Layout:

Swedish, Finnish, French, German, English (US and UK), Spanish, Russian, Italian and other layouts upon request.

Pointing Device:

Microsoft PS/2 compatible finger-actuated computer pointing module with two buttons.

I/O Interfaces**USB:**

x1 (keyboard and mouse)

CONNECTORS**USB:**

DSUB

PHYSICAL CHARACTERISTICS**Dimensions:**

400 x 26 x 198mm (WxHxD)

Weight:

1.2 kg

Color:

Grey, any other colour optional

ELECTRICAL SPECIFICATIONS**Power requirements:**

5VDC (from USB interface)

Power consumption:

0,5W

ENVIRONMENTAL CHARACTERISTICS**Designed to fulfill****(Other standards on request):**

MIL-STD-461E

MIL-STD-1275B

MIL-STD-810G

European CE

Option

TEMPEST SDIP-27 Level A, B, C:**Temperature Operating:**

-20°C to +55°C

Vibration Operating:

10-500Hz 1,04g rms

Shock Operating:

15g, 11ms, ½ sine wave

Humidity:

5% to 95% non condensing

Altitude Operating:

3000m

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

DEFENSE

Aqeri 96600

High Capacity Router

The Aqeri 96600 is a rugged 19" 8U Router with four individual computers for use in harsh environments. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum construction stands for low radiation and high noise immunity. The rugged design gives protection against shocks and vibration.

Features:

- > Compressed unit Cisco Router and 4 computers
- > All connectors accessible from the front
- > 28VDC power supply (18-36VDC)



TECHNICAL SPECIFICATIONS

Router Board:	Cisco 3825-DC
Processor:	4x 1GHz Celeron
Memory:	4x 1GB DDR2
Operating system:	Optional, Windows, Linux
Storage:	4x 2,5" HDD/SSD drive or CF

I/O Interfaces

KVM Keyb:	x1
KVM Mouse:	x1
KVM VGA:	x1
Console:	x1
USB:	x4
100 Mbit Multimode:	x12
100 Mbit Singlemode:	x4 (2 ports in each connector)
FXO:	x4
FXS:	x4
2 Mbit E1:	x8
Serial High-Speed WAN:	x4

CONNECTORS

KVM Keyb:	USB-A
KVM Mouse:	USB-A
KVM VGA:	HD-DSUB
Console:	Binder 712
USB:	USB-A
100 Mbit Multimode:	DC
100 Mbit Singlemode:	Foks4
FXO:	RJ11
FXS:	RJ11
2 Mbit E1:	BNC
Serial High-Speed WAN:	DSUB
DC In:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	444 x 354.8 x 500mm (WxHxD)
Weight:	25 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	150W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-810G European CE
TEMPEST SDIP-27 Level A, B, C:	Option
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

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

DEFENSE

Aqeri

93521

KVM-Switch

Aqeri 93521 is a rugged 19" rack mountable terminal switch designed for use in harsh environments. The unit includes a switching unit for sharing one keyboard with pointing device and one monitor between up to four different computers. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminium construction allows for low radiation and high noise immunity (in accordance with MIL-STD 461 E/F).

Features:

- > No external power required
- > Switching up to four computers
- > MIL connectors



TECHNICAL SPECIFICATIONS

Channels: 4
Emulation: One computer per channel

I/O Interfaces

VGA: x1
PS/2 Mouse and Keyboard: x1
Computers: x4

CONNECTORS

PS/2 Mouse and Keyboard: MS3114F12-10P
Mouse: DSUB
VGA: MS3114F14-19S
Computers: SJT07RT16-35S 014)

PHYSICAL CHARACTERISTICS

Dimensions: 444 x 88 x 300mm (WxHxD)
Weight: 4 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: No external power required

ENVIRONMENTAL CHARACTERISTICS

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

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

DEFENSE

Aqeri

91030

3U Computer

The Aqeri 91030 is a front accessible 19" 3U computer for use in harsh environments. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminium construction allows for low radiation and high noise immunity (in accordance with MIL-STD-461E). The internal heating and climate control system guarantees operations in extreme temperature environments. The Xeon dual core processor makes this a high performance computer which also features Raid 0/1/5 with one up to four Hot Swap flash drives.

Features:

- > Raid 0/1/5 Hot Swap
- > Xeon dual core processor
- > Fully sealed, compact chassis only 3U, 19"



TECHNICAL SPECIFICATIONS

Processor:	Intel® 2.66GHz Xeon Dual Core (optional 2xCPU)
Memory:	DDR2 up to 8GB
Operating system:	Optional, Windows, Linux
Storage:	Up to 4x 2,5" or 3,5" HDD/SSD drive 1x DVD-RW
RAID:	Optional 0/1/5
I/O Interfaces:	
USB:	x3
Gigabit Ethernet:	x2
VGA (stretched or cloned desktop):	x2
PS/2:	x1
RS232 1x RS-485:	x1
Line in and Line out Audio:	x2
Graphics:	Matrox M-series Up to 2048 x 1536 resolution
Expansion:	n/a

CONNECTORS

USB:	MIL 38999
Ethernet:	MIL 38999
VGA:	MIL 38999
RS232:	MIL 38999
Audio:	MIL 38999
PS/2:	MIL 38999
DC in:	MS3106F 10SL-3S

PHYSICAL CHARACTERISTICS

Dimensions:	440 x 132.50 x 500mm (WxHxD)
Weight:	13 kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	120W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill	
(Other standards on request):	MIL-STD-461E MIL-STD-1275B MIL-STD-810G European CE
TEMPEST SDIP-27 Level A, B, C:	Option
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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Defense

Aqeri

91400

4U Computer

The Aqeri 91400 is a front accessible 19" 4U computer for use in harsh environments. With a depth of only 390 mm it can be used in space critical applications. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum construction allows for low radiation and high noise immunity. The internal heating and climate control system guarantees operations in extreme temperature environments. The Core 2 Duo processor makes this a high performance computer which also features raid with two Hot Swap drives.

The Aqeri 97002, Shock and Vibration Absorber, can withstand extreme shock forces. It has a compact size since the height is only 68 mm.

Features:

- > Raid 1 Hot Swap
- > Fully sealed, compact universal chassi for 19" or stand alone
- > All connectors accessible from the front
- > Cooling by a separate internal heat-exchanger system
- > For extreme environmental conditions.



TECHNICAL SPECIFICATIONS:

Processor:	Intel® 2.13GHz Core2Duo
Memory:	DDR2 up to 4GB
Operating system:	Optional, Windows, Linux
Storage:	Up to 2x2,5" or 3,5" HDD/SSD drive and 1x DVD-RW
RAID:	Optional 0/1
I/O Interfaces:	
USB:	x4
Parallell:	x1
Gigabit Ethernet:	x1
VGA:	x1
PS/2:	x1
RS232:	x2
RS485:	x1
Line in and Mic Audio:	x2
Graphics:	Intel® Graphics Media Accelerator 3100 Up to 2048 x 1536 Resolution
Expansion:	n/a

CONNECTORS

USB:	MIL-C-26482
Ethernet:	MIL-C-26482
VGA:	MIL-C-26482
RS232:	MIL-C-26482
Audio:	MIL-C-26482
Parallell:	MIL-C-26482
PS/2:	MIL-C-26482
DC In:	MIL-C-26482

PHYSICAL CHARACTERISTICS:

Dimensions:	440 x 177 x 390mm (WxHxD)
Weight:	17kg
Color:	Green, other optional

ELECTRICAL SPECIFICATIONS:

Power requirements:	28VDC (18-36VDC, safe start Min 21VDC, Max 33VDC)
Power consumption:	110W at 28VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS:

Design to fulfill	
(Other standards on request):	MIL-STD-461 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

AQERI 97002 - SHOCK AND VIBRATION ABSORBER:

Dimensions:	438 x 68 x 385mm (WxHxD)
Weight:	5kg
Color:	Green, other optional

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DEFENSE

Aqeri

962483

Aqeri 962483 is a semi rugged 19" 3U Cisco-based Fiber and Copper Gigabit Switch with POE for Military and Industrial applications. Interface connectors, copper and fiber are IP54 sealed. The switch has been specially designed to withstand harsh environments where operators place high demand on function and reliability. It works reliably inspite of dust, dirt, vibrations, strong electromagnetic fields and standard temperature variations. Further, the fully aluminum construction stands for low radiation and high noise immunity.

Features:

- > Fully sealed all aluminum 19" 3U chassis
- > Based on Cisco WS-C3560X-24P-S Layer 3
- > 20 x Gigabit in RJ45 connectors
- > 4 x Gigabit SX Multimode in LC connectors
- > Integrated heating and climate control



TECHNICAL SPECIFICATIONS

Switchboard: Cisco WS-C3560X-24P-S Layer 3

I/O Interfaces

Gigabit: x20
PoE (7.5W / port): x10 of above interfaces
1000Mbit SX Multimode: x4
SNMP: x1
Console: x1

CONNECTORS

Gigabit: RJ45
PoE: RJ45
1000Mbit SX Multimode: LC
SNMP: RJ45
Console: RJ45
DC In: MS3102E 10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 132.45 x 500mm (WxHxD)
Weight: 12 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 48VDC
Power consumption: Max 110W at 48VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(Other standards on request): European CE, EN 60950-1
Optional: MIL-STD-461E
MIL-STD-1275B
MIL-STD-810G
TEMPEST SDIP-27 Level A, B, C: Option
Temperature Operating: 0°C to +40°C
Vibration Operating: 10-500Hz 1,04g rms
Shock Operating: 15g, 11ms, ½ sine wave
Humidity: 5% to 95% non condensing
Altitude Operating: 3000m

We reserve the right to change the information of this document without further notice. 110901

DEFENSE

Aqeri

962481

3U Ethernet Switch

Aqeri 962481 is a semi rugged 19" 3U Cisco-based Fiber and Copper Gigabit Switch with POE for Military and Industrial applications. Interface connectors, copper and fiber are IP54 sealed. The switch has been specially designed to withstand harsh environments where operators place high demand on function and reliability. It works reliably inspite of dust, dirt, vibrations, strong electromagnetic fields and standard temperature variations. Further, the fully aluminum construction stands for low radiation and high noise immunity.

Features:

- > Fully sealed all aluminum 19" 3U chassis
- > Based on Cisco Catalyst 2960S
- > 20 x Gigabit in RJ45 connectors
- > 4 x Gigabit SX Multimode in LC connectors
- > Integrated heating and climate control



TECHNICAL SPECIFICATIONS**Switchboard:** Cisco Catalyst 2960S**I/O Interfaces**

Gigabit: x20
PoE (7.5W / port): x10 of above interfaces
1000Mbit SX Multimode: x4
SNMP: x1
Console: x1

CONNECTORS

Gigabit: RJ45
PoE: RJ45
1000Mbit SX Multimode: LC
SNMP: RJ45
DC In: MS3102E 10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 132.45 x 500mm (WxHxD)
Weight: 12 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 48VDC
Power consumption: Max 68W at 48VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(Other standards on request): European CE, EN 60950-1
Optional: MIL-STD-461E
MIL-STD-1275B
MIL-STD-810G
Option
TEMPEST SDIP-27 Level A, B, C:
Temperature Operating: 0°C to +40°C
Vibration Operating: 10-500Hz 1,04g rms
Shock Operating: 15g, 11ms, ½ sine wave
Humidity: 5% to 95% non condensing
Altitude Operating: 3000m

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FS100

3U Switch

The FS100 is a military switch based on Cisco WS-C3750G-12S-E. The unit is equipped with Cisco modules for Gigabit Ethernet in copper and Fiber as well as console. The FS100 has internal climate control for use in a wide temperature area and a temperature monitoring.

Features:

- > 19" 3U
- > Internal climate control
- > Interfaces for Gigabit Ethernet in both Copper and Fiber interfaces and Console.



TECHNICAL SPECIFICATIONS

Switch Board: Cisco WS-C3750G-12S-E

I/O Interfaces

10/100/1000 Mbit/s: x2

1000Mbit/s SM Fiber: x18

Console: x1

CONNECTORS

10/100 Mbit: RJF-71G

1000Mbit/s SM Fiber: 180-09N_F08-11-4SN

1000Mbit/s SM Fiber: 180-09N_F08-11-16SN

Console: MIL-DTL-38999

DC In: UW2020MA00

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 132 x 600mm (WxHxD)

Weight: 12 kg

Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 19-36 VDC

Power consumption: 80W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request): MIL-STD-461F

MIL-STD-810G

Temperature Operating: -30°C to +55°C

Altitude Operating: 4572m

Altitude Storage: 12195m

We reserve the right to change the information of this document without further notice. 140108

RS100

4U Router

The RS100 is a military router based on Cisco 2951-HSEC/9. The unit is equipped with Cisco modules for Ethernet, FXO, E1, etc. The RS100 has internal climate control for use in a wide temperature area and a temperature monitoring.

Features:

- > 19" 4U
- > Internal climate control
- > Interfaces for Gigabit Ethernet in both Copper and Fiber, FXO, E1 and Console.



TECHNICAL SPECIFICATIONS

Router Board: Cisco 2951-HSEC/9

I/O Interfaces

10/100/1000 Mbit/s: x8
10/100/1000 POE Mbit/s: x16
FXO: x12
E1: x6
1000Mbit/s SM Fiber: x2
1000Mbit/s MM Fiber: x1

CONNECTORS

10/100/1000 Mbit/s: MIL-DTL-38999
10/100/1000 POE Mbit/s: MIL-DTL-38999
FXO: MIL-DTL-38999
E1: MIL-DTL-38999
1000Mbit/s SM Fiber: MIL-DTL-38999
1000Mbit/s MM Fiber: MIL-DTL-38999
DC In: UW2020MA00

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 177 x 600mm (WxHxD)
Weight: 17 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 19-36 VDC
Power consumption: 110W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(Other standards on request): MIL-STD-461F
MIL-STD-810G
Temperature Operating: -30°C to +55°C
Altitude Operating: 4572m
Altitude Storage: 12195m

We reserve the right to change the information of this document without further notice. 140108

Designed to be rugged from ground up.

X500



Fully Rugged Notebook

Getac X500 is the first rugged and **fully equipped standard military grade** commercially available notebook. For the first time, a customized military grade I/O interface is configured into standard specifications, enabling an I/O interface that fully complies with military standards. This capability greatly reduces the long period of time usually required by complex customization and realizes the feasibility of configuration of customized military equipment into standard specifications.

B300



Fully Rugged Notebook

The B300 is a hard-as-nails road warrior designed to be productive and worry-free mobile computing, and it is fully customizable. It is MIL-STD-810G certified and IP65 certified, boasting: a magnesium alloy case, a shockprotected HDD, vibration and shock resistance, and sealed I/O caps and doors to prevent damage from solid particles and moisture. Equipped with low voltage Intel® Core™ i7-4600M vPro™ processor, B300 offers long battery life up to 15 hours for all day work.

V110



Fully Rugged Convertible

The breakthrough design of the Getac V110 rugged convertible enables the computer to be amazingly strong while also being unbelievably light. It truly is a revolution in rugged computing. At 1.98KG and 34mm thin, it's 27% lighter and 30% thinner than the previous generation. The V110 features a large 11.6" HD display that utilizes QuadraClear® technology for incredible clarity both indoors and outside in direct sunlight. The 11.6" widescreen display is ideally suited providing plenty of real estate to run Windows and your apps on.

F110



Fully Rugged Tablet 11,6"

The F110 is a true revolution in rugged tablet computing. The F110 combines powerful 4th generation Intel® Core™ Processors, the latest wireless and the large 11.6" widescreen display with a thin and light design that re-defines rugged mobility.

Designed to be about the size of a typical piece of paper, the new F110 rugged tablet breaks new ground with its large 11.6" display. Most rugged tablets choose either a large display or a compact design. We chose both.

T800



Fully Rugged Tablet 8,1"

8,1 inches is the size of the display on the new compact T800 rugged tablet. Built for today's mobile workforce, the new tablet features the latest wireless technology and unique SnapBack add-ons and runs Windows 8.1 Pro. The T800 is designed to be the perfect combination of a compact rugged tablet without sacrificing screen size.

Z710



Fully Rugged Tablet 7,0"

Compact and powerful, the Android-powered Getac Z710 rugged tablet allows you the flexibility to work in nearly any environment. Perfect for data collection, data entry, PDF viewing, GPS tracking and much more, the Z710 has you covered. Now available with Android 4.1 OS.

Built to house a brilliant 7" display, the Z710 is small enough to hold with just one hand yet big enough to help you get your job done. Apps have changed the way we access and enter data remotely. Android OS makes it easy to build a custom app or use one of the many apps that can help you get your job done quickly.

We reserve the right to supply individual markets on a case-by-case basis and the right to change the information of this document without further notice. 150820

DEFENSE

Aqeri

962482

3U Ethernet Switch

Aqeri 962482 is a semi rugged 19" 3U Cisco-based Fiber and Copper Gigabit Switch with POE for Military and Industrial applications. Interface connectors, copper and fiber are IP54 sealed. The switch has been specially designed to withstand harsh environments where operators place high demand on function and reliability. It works reliably in spite of dust, dirt, vibrations, strong electromagnetic fields and standard temperature variations. Further, the fully aluminum construction stands for low radiation and high noise immunity.

Features:

- > Fully sealed all aluminum 19" 3U chassis
- > Based on Cisco WS-C2960G-24TC-L
- > 12 x 100Mbit FX Multimode in LC connectors
- > 2 x Gigabit SX Multimode in LC connectors
- > 4 x Gigabit in RJ45 connectors
- > Integrated heating and climate control



TECHNICAL SPECIFICATIONS

Switchboard: Cisco WS-C2960G-24TC-L

I/O Interfaces

100Mbit Fx Multimode: x12

1000Mbit Sx Multitmode: x2

10/100/1000 BT: x4

SNMP: x1

Console: x1

CONNECTORS

100Mbit Fx Multimode: LC

1000Mbit Sx Multimode: LC

10/100/1000 BT: RJ45

SNMP: RJ45

Console: RJ45

DC In: MS3102E 10SL-3P

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 132.45 x 500mm (WxHxD)

Weight: 12 kg

Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 48VDC

Power consumption: Max 82W at 48VDC (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill

(Other standards on request): European CE, EN 60950-1

Optional: MIL-STD-461E

MIL-STD-1275B

MIL-STD-810G

TEMPEST SDIP-27 Level A, B, C: Option

Temperature Operating: 0°C to +40°C

Vibration Operating: 10-500Hz 1,04g rms

Shock Operating: 15g, 11ms, ½ sine wave

Humidity: 5% to 95% non condensing

Altitude Operating: 3000m

We reserve the right to change the information of this document without further notice. 110901

VG100

3U Voice Gateway

The VG100 is a military Voice Gateway based on Cisco VG224. The unit is equipped with interfaces for Fast Ethernet, FXS Console. The VG100 has internal climate control for use in a wide temperature area and a temperature monitoring.

Features:

- > 19" 3U
- > Internal climate control
- > Interfaces for Fast Ethernet, FXS ports and Console



TECHNICAL SPECIFICATIONS

VoIP Board: Cisco VG224

I/O Interfaces

10/100 Mbit/s: x2
FXS: x24
Console: x1

CONNECTORS

10/100 Mbit: RJF-71G
FXS: MIL-DTL-38999
Console: MIL-DTL-38999
DC In: UW2020MA00

PHYSICAL CHARACTERISTICS

Dimensions: 440 x 132 x 600mm (WxHxD)
Weight: 12 kg
Color: Green, other optional

ELECTRICAL SPECIFICATIONS

Power requirements: 19-36 VDC
Power consumption: 70W (excluding heaters)

ENVIRONMENTAL CHARACTERISTICS

Designed to fulfill
(Other standards on request): MIL-STD-461F
 MIL-STD-810G
Temperature Operating: -30°C to +55°C
Altitude Operating: 4572m
Altitude Storage: 12195m

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86201 Rugged MINI 6-port Switch

Aqeri 86201 is a rugged compact fanless 6-port Switch for harsh environments. The Switch allows both fiber Ethernet and RJ45 Ethernet. The Switch is designed with a wide input voltage range which makes the unit usable in vehicles. An internal climate control system makes the unit usable in extremely low and high temperature environments. The chassis is fully sealed for protection against dust and corrosive elements. The full aluminum design stands for low radiation and high noise immunity.



TECHNICAL DATA

Features:	6-port 10/100/1000 Mbit/s Switch
Dimensions:	220 x 300 x 65,8 mm (WxDxH)
Color:	Military green, optional any color
Power requirements:	9-36 VDC
Connectors:	6x fiber Ethernet Multimode/Singlemode, 6x RJ45 Ethernet, 1xDC in 97B-3100A10SL-3P-HD (Fiber type SC)
Mounting:	Stand alone, 19" rack single or together in pairs, wall mount
Temperature:	Operating Temp -20°C to +55°C, Storage -40°C to +70°C
Humidity:	5% to 95% non condensing
Vibration:	10-500Hz 1.04g rms
Shock:	Operating 10g, 11ms ½ sine wave
Altitude:	Operating 3000m
Designed to fulfill:	MIL-STD-810G, MIL-STD-461F, IP54
TEMPEST SDIP-27 Level A, B, C:	Option

Other specifications to be quoted upon customers request.