



ALR
RUGGED SOLUTIONS

The ALR IPC BISON VPC is built for use in industrial and military applications which require this type of robust and reliable system.

The Bison VPC complies with MIL-STD 810 as well as with high EMC/EMI standards such as MIL461/704/1275 it operates on a 24V DC power environment.

The integrated UPS function with a LiFePo battery pack can power the system for some minutes independently if the power inputs fail.

One of the major advantages of the BISON VPC is that there are few customization limits. The lower case compartment is for instance capable of holding any types of special customer interfaces, switches, relays, filters and all other kind of components required for specific projects requirements.

Changes in mechanical structure and various hardware options are available even in small quantities.

- **BISON VPC & BISON XL VPC**
- **Modular, fan less Design**
- **Intel XEON, Core i7/i5/i3, ATOM**
- **Expansion via PCIe and Mini-PCIe slots**
- **Integrated UPS Function**
- **Customized MIL I/O Connectors**
- **Operates between -30°C to +55°C***
- **Compliant with MIL-STD 810G**

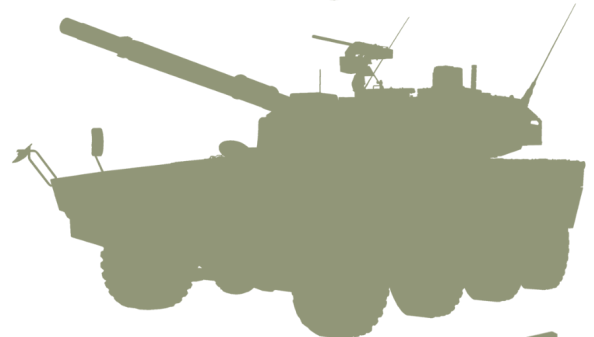
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A Baytek Company

BISON VPC

Customizable and extremely ruggedized vehicle PC





Dimensions/Weight	
Housing	Rugged aluminum housing with anti corrosion treatment Powder coating in RAL colors
Approx. Dimensions in mm	W: 240, D: 340, H: 90/125 (BISON/BISON XL)
Weight	Approx. 5-9kg (depending on configuration)
Hardware Configurations	
CPU Type	Intel XEON E3, Core i7/i5/i3 , Atom
RAM	4 - 64GB DDR4*
Storage	One or two 16GB-2TB SSD (optional as a removable cartridge)
Extension slots	PCIex16, M 2.0*
I/Os	2x Gbit-LAN RJ45, up to 6x USB2.0/3.0, up to 6x RS232 Up to 3x VGA/DVI/D-Port*
Power Supply	
Power Supply	24V DC input Other input voltages optional
UPS option	Internal LiFePo battery for some minutes backup time and automatic shutdown function
Customizing Options	
MIL-Connectors	MIL-connectors for all I/Os according to customer specs
Customizing	Integration of customer I/O boards or special hardware components according to customer specs Customized painting in all RAL colors
Operating System	
Operating System	Microsoft Windows 7, Windows 10, Linux
Environment	
Compliant according to:	
Temperature	Operating -30°C to +55°C* Storage -40°C to +70°C*
Humidity	5% to 95% relative humidity, without condensation
IP Protection	IP54-IP65
Vibrations	MIL-STD 810G Method 514.6 2.09G RMS
Shock	MIL-STD 810G Method 516.6 20G, 11ms
Regulations	CE, RoHS
Options	Optional MIL-STD 1275B or MIL-STD 461F (For additional details contact us)
<p>* Standard values can vary depending on the type of the CPU board</p>	

