



**ALR**  
RUGGED SOLUTIONS

The ALR BISON V-Commander cPCI PC with a remote display unit is built for use in military applications which require this type of robust and reliable system. The compact and extremely solid aluminum housing is protected up to IP65. The system is fan less and is based on Intel's newest CPU from XEON to Core i7/5/3.

There are nearly no customization limits. The lower case compartment is for instance capable of holding any types of special customer interfaces, switches, relays, filters etc. Changes in mechanical structure and various hardware options are available even in small quantities.

The system complies to MIL-STD 810 and to high EMC/EMI standards such as MIL461/704/1275. It operates on 24V DC power environment. The integrated UPS function with a internal battery pack can power the system for some minutes independently if the power inputs fail.

The remote display is available in 10", 12" and 15.6" with customized function keys on the front panel. As the space in military vehicles are normally very tight the display cable up to 5m allows a flexible placing of the CPU-Unit and the remote display.

- **BISON V-Commander cPCI PC**
- **Modular, fan less Design**
- **Intel XEON, Core i7/i5/i3, ATOM**
- **1x 6U cPCI Expansion slot**
- **Integrated UPS Function**
- **Customized MIL I/O Connectors**
- **10", 12" or 15" remote display**
- **Operates between -30°C to +55°C**

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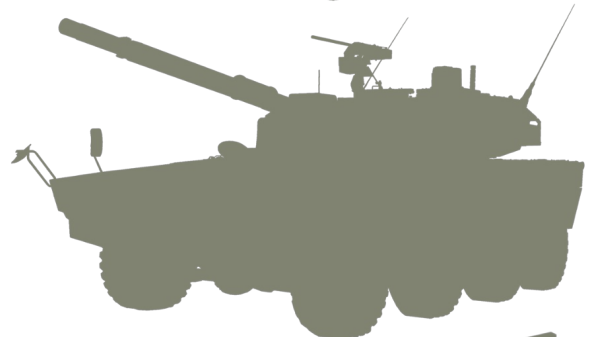
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A Baytek Company

# BISON V-Commander PC

Customizable and extremely ruggedized cPCI vehicle PC





Dimensions/Weight	
<b>Housing</b>	Rugged aluminum housing with anti corrosion treatment Powder coating in RAL colors
<b>Approx. Dimensions in mm</b>	<b>CPU-Unit;</b> W: 270, D: 330, H: 160 <b>12" Display-Unit;</b> W: 340, D: 65, H: 240
<b>Weight</b>	<b>CPU-Unit;</b> approx. 11kg (depending on configuration) <b>Display-Unit;</b> approx. 5kg (depending on configuration)
Hardware Configurations CPU-Unit	
<b>CPU Type</b>	Intel XEON E3, Core i7/i5/i3 , Atom
<b>RAM *</b>	8-16GB DDR3
<b>Storage *</b>	One or two 16GB-2TB SSD (optional as a removable cartridge)
<b>Extension slots</b>	1x 6U cPCI slot
<b>I/Os</b>	4x Gbit-LAN RJ45, up to 6x USB2.0/3.0, up to 2x RS232 *
Hardware Configurations Display-Unit	
<b>Display size</b>	10", 12" 15,6"
<b>Resolution/Brightness</b>	1024x768 (XGA) up to 1920x1080 (Full HD), 350cd up to 1500cd
<b>Touch and F-Keys</b>	resistive or capacitive touch, operation and function keys (customized)
Power Supply	
<b>Power Supply</b>	24V DC input Other input voltages optional
<b>UPS option</b>	Internal battery for some minutes backup time and automatic shutdown function
Customizing Options	
<b>MIL-Connectors</b>	MIL-connectors for all I/Os according to customer specs
<b>Customizing</b>	Integration of customer I/O boards or special hardware components according to customer specs Customized painting in all RAL colors
Operating System	
<b>Operating System</b>	Microsoft Windows 7, Windows 10, Linux
Environment	
<b>Compliant according to:</b>	
<b>Temperature</b>	Operating -30°C to +55°C* Storage -40°C to +70°C*
<b>Humidity</b>	5% to 95% relative humidity, without condensation
<b>IP Protection</b>	IP54-IP65
<b>Vibrations</b>	MIL-STD 810G Method 514.6 2.09G RMS
<b>Shock</b>	MIL-STD 810G Method 516.6 30G, 11ms
<b>Regulations</b>	CE, RoHS
<b>Options</b>	Optional MIL-STD 1275B or MIL-STD 461F (For additional details contact us)
* standard values can vary depending on the type of the cPCI CPU-Board	

