



ALR
RUGGED SOLUTIONS

The ALR PXI-8S Portable PC is built to be used in military and industrial areas which call for this kind of robust and reliable system.


The compact and very solid aluminum housing meets industrial and MIL-810G environmental requirements.

The system complies with high EMC/EMI standards. It operates on 24V DC or 110 to 230V AC (50/60Hz or 400Hz).

The integrated UPS function with an internal battery pack can power the system for some minutes, should the AC or DC power input fail.

The modular design concept of the PXI-8S-Portable PC allows the construction of a great variety of customized versions even in small quantities.

For more than 15 years, the ALR embedded Portable PC's have been successfully implemented in a wide variety of industrial and military projects.

- For  **NATIONAL INSTRUMENTS CPU modules**
- **8-slot PXIe backplanes**
- **15.4" daylight readable display**
- **Power in 110-230V AC (50/60Hz or 400Hz) and/or 24V DC**
- **Optional UPS function with internal battery**
- **Operates between -20°C to +55°C**
- **Compliant with MIL-STD 810G**

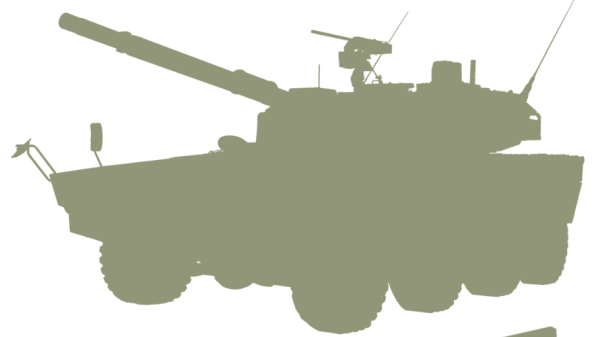
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A Baytek Company

PXI-8S Portable PC

For original  **NATIONAL INSTRUMENTS PXI/PXIe hardware**





Dimensions/Weight	
Housing	Rugged aluminium housing with anti corrosion treatment Powder coating in RAL colors
Approx. Dimensions in mm	W: 450, D: 350-400, H: 280 With edge protection elements: 480x370-420x300
Weight	Approx. 14-16kg (depending on configuration)
Hardware Configurations	
NI CPU module	Original NI CPU modules or other PXIe CPU modules
CPU type	Intel Core i5/i7 mobile CPU
RAM	4GB-8GB DDR3
HDD/SSD	250GB SATA 2.5" HDD Up to 500GB SSD, optional
optional I/Os	2x Gbit-LAN RJ45, 4x USB2.0, 1x RS232, 1x parallel I/O, 1x GPIB, according to the utilized CPU module
Display/Keyboard/Mouse	
Display	15.4"-LED display, daylight readable with anti glare protection glass
Touch	PCAP or resistive touch, optional
Keyboard/Mouse	IP65 protected rubber keyboard with backlight and Hula mouse
Preheating option	
	Preheating option to heat the system up from -20°C to 0°C
Power Supply	
Standard power supply	110-230V AC Input, 600W, 47-440Hz
Dual power supply	24V DC and/or 110V-230V input, 300W instead of standard power supply
300W UPS option	Integrated UPS option (only for 300W version) with internal battery pack for some minutes back up time
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 10, Windows 11, Linux
Environment	
	Compliant according to:
Temperature	Operating -20°C to +55°C Storage -30°C to +70°C
Humidity	5% to 95% relative humidity, without condensation
IP Protection	IP53 or IP54 (in operating state)
Vibrations	MIL-STD 810G Method 514.6
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)

