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Find the *Chroma 52101-A* at our website: ***Click HERE***

52101



PXI 8-Slot
General Purpose Chassis
Model 52101

The PXI-52101 platform features the industry- standard, eight-slot PXI/ CompactPCI backplane integrated into a 3U Eurorack enclosure with a bay for removable power supplies.

With hot pluggable power supplies and optional battery packs, 52101 offers the widest application range of all chassis on the market.

Mounting attachment locations allow the PXI-52101 to be mounted against a wall or bulkhead, with the card cage extended in front for easy access to adapter card. The rear of the card cage is enclosed to protect the backplane from contamination as well as provide shielding for RFI/EMI.

Power Supplies

The PXI-52101 chassis accepts removable power supply modules of the cPWR series. The power connector is a PCI 47M 400A1 connector, compliant with PICMG 2.11 Power Interface Specification standard, a mechanically and electrically robust connector. Optional battery pack can be used for power backup as well as truly portable application. Optional LCD display with touch screen can be used for field operation without keyboard and mouse.

Features :

- High-Capacity 8-slot PXI/cPCI Backplane
- Low-Profile 3U Rugged Design
- Easily Convertible For Rack or Bench Used
- 55 cfm (x3), High Pressure Tube -Axial Fans
- 175W/ea plug-in power supply (x2)
- Removable fans and air filter
- Optional DC (24V/ 48V) input configuration available
- Optional Battery Pack
- Optional 12" LCD Display with Touch Screen
- Comprehensive EMC shielding



Chroma

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52101 PXI 8-SLOT GENERAL PURPOSE CHASSIS

SPECIFICATIONS

Backplane	• 3U-sized; 8-slot PXI backplane (1 system slot & 7 peripheral slots)
	• Compliant with PXI Specification R2.2
	• PXI and CompactPCI (PICMG 2.0 R3.0) 3U modules
Accessible Slots	8 slots
Power Supply	Output: 175W max. x 2 sets
	• AC Input: 90V to 264V
	• DC Input: 36V to 72V
	• DC Input: 18V to 36V
Bus Width	64-bit
Rack Mounting	4U, 19" EIA format
Cooling Capacity	Slot cooling capacity in worst-case slot is 50W
Module Cooling	Forced air circulation (positive pressurization) via 56 cfm (x3)
Slot Airflow Direction	P1 to P2, bottom of module to top of module
Module Cooling Fan MTBF	75,000+hr
Weight	8.5kg
Dimensions	• Desktop: 442.2mm(W) x 257.8mm(D) x 192.1mm(H)
	• Rack-mount: 482.6mm(W) x 257.8mm(D) x 177.0mm(H)
Operating Temp.	0˚C~55˚C
Storage Temp.	-20˚C~70˚C
Humidity	10~95% @ 40˚C, non-condensing
Packaged Vibration	5~100Hz: 0.015G²/Hz
	100~200Hz: -6 dB/Oct
	200 Hz: 0.0038 G²/Hz
Unpackaged Vibration	5~55~5Hz 0.38mm Peak to Peak
Drop Test	Falling Height: 76 cm
	Falling: 1 corner/3 edges/6 faces
Shock Test (Operating)	Acceleration: 10G
	Pulse width: 11ms
	Pulse shape: half sine wave
	No. of shock: 3 shocks for bottom side

All specifications are subject to change without notice.

Order Information

	8-slot Chassis (w/Backplane)	Power Supply (Input 110/220Vac)	Power Supply (Input 48Vdc)	Power Supply (Input 24Vdc)	52921 Battery Pack	52921-C Battery Pack
52101-1	1	2				
52101-2	1		2			
52101-3	1			2		
52101-4	1	1	1			
52101-5	1	1		1		
52101-6	1			2	1	1
52101-7	1			2	2	1
52101-8	1	1		1	1	1
52101-9	1	1		1	2	1

Option

52921 4500mAH Battery Pack (*See Next Page)

52921-C Battery Charger

PXI Systems Alliance

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(Attached Document 1)

52921 Ni-MH Battery Pack for PXI/CompactPCI System

Portable PXI System with Battery Charger Ni-MH Battery Pack Model 52921



Features :

- Capable of operating alone without connecting to the mains, and no environmental restrictions in operation
- Auto charge with protective functions when 24V motor batteries are used
- High efficiency and free from risk even when the utility mains is used
- The battery remains in normal operation when power outage occurs
- 2 sets of swappable batteries with charger to prevent power from interrupted
- Battery output capability per set: 21.6V/ 4.5AH
- 2 slots for each battery set
- Auto charge from other DC power source device when the battery is low
- Auto switch to other battery pack when the power is out
- Battery weight: 1.2kg
- Charge time: 2.25hrs with 52921-C

SPECIFICATIONS

Model	52921
Standard Pack	
• **Nominal Voltage**	DC 21.6V
• **Capacity**	4500mAh (0.45A charge 10hrs, 900mA discharge,DC 18V cut-off)
• **Internal Impedance at 1kHz**	< 600mΩ
Thermistor	10kΩ
Weight	Approx. 1200g
Dimension (not including connectors)	2-slot, 17.1x10cm
Operating Temperature	0˚C ~ 55˚C
Storage temperature range	
• **Within 1 year**	-20˚C ~ +35˚C (-4˚F ~ 95˚F)
• **Within 6 month**	-20˚C ~ +45˚C (-4˚F ~ 113˚F)
• **Within 1 month**	-20˚C ~ +55˚C (-4˚F ~ 131˚F)
• **Within 1 week**	-20˚C ~ +65˚C (-4˚F ~ 149˚F)

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