

# 52105



## PXI 18-Slot General Purpose Chassis Model 52105

The PXI-52105 platform features the industry-standard, eighteen-slot PXI/CompactPCI backplane integrated into a 3U Eurorack enclosure with a bay for removable power supplies.

Mounting attachment locations allow the PXI-52105 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-52105 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 LCD display with touch screen can be used for field operation without keyboard and mouse.

### Features :

- High-Capacity 18-slot PXI/cPCI Backplane
- Low-Profile 3U Rugged Design
- Easily Convertible For Rack or Bench Used
- 55 cfm (x8), High Pressure Tube -Axial Fans
- 175W/ea plug-in power supply (x4)
- Removable fans and air filter
- Optional DC ( 24V/ 48V ) input configuration available
- Optional 12" LCD Display with Touch Screen
- Comprehensive EMC shielding



**Chroma**

SPECIFICATIONS	
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 3U-sized; 18-slot PXI backplane(1 system slot &amp; 17 peripheral slots)</li> <li>• Compliant with PXI Specification R2.2</li> <li>• PXI and CompactPCI (PICMG 2.0 R3.0) 3U modules</li> </ul>
<b>Accessible Slots</b>	18 slots
<b>Power Supply</b>	Output: 175W max. x 4 sets <ul style="list-style-type: none"> <li>• AC Input: 90V to 264V</li> <li>• DC Input: 36V to 72V</li> <li>• DC Input: 18V to 36V</li> </ul>
<b>Bus Width</b>	64-bit
<b>Rack Mounting</b>	4U, 19" EIA format
<b>Cooling Capacity</b>	Slot cooling capacity in worst-case slot is 50W
<b>Module Cooling</b>	Forced air circulation ( positive pressurization) via 56 cfm (x3)
<b>Slot Airflow Direction</b>	P1 to P2, bottom of module to top of module
<b>Module Cooling Fan MTBF</b>	75,000+hr
<b>Weight</b>	13.5kg
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• Desktop: 442.2mm(W) x 481.2mm(D) x 192.1mm(H)</li> <li>• Rack-mount: 482.6mm(W) x 481.2mm(D) x 177.0mm(H)</li> </ul>
<b>Operating Temp.</b>	0°C~55°C
<b>Storage Temp.</b>	-20°C~70°C
<b>Humidity</b>	10~95% @ 40°C, non-condensing
<b>Packaged Vibration</b>	5~100Hz: 0.015G <sup>2</sup> /Hz 100~200Hz: -6 dB/Oct 200 Hz: 0.0038 G <sup>2</sup> /Hz
<b>Unpackaged Vibration</b>	5~55~5Hz 0.38mm Peak to Peak
<b>Drop Test</b>	Falling Height: 76 cm Falling: 1 corner/3 edges/6 faces
<b>Shock Test (Operating)</b>	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

	18-slot Chassis (w/Backplane)	Power Supply ( Input 110/220Vac)	Power Supply ( Input 48Vdc)	Power Supply (Input 24Vdc)
<b>52105- 1</b>	1	4		
<b>52105- 2</b>	1		4	
<b>52105- 3</b>	1			4
<b>52105- 4</b>	1	2	2	
<b>52105- 5</b>	1	2		2



**CHROMA ATE INC.**  
 No 43, Wu-chuan Road, Wu-ku  
 Industry Park,Wu-ku, Taipei Hsien,  
 Taiwan  
 Tel: +886-2-2298-3855  
 Fax: +886-2-2298-3596

**U.S.A.**  
 7 Chrysler Irvine CA 92618  
 Tel: +1-949-421-0355  
 Fax: +1-949-421-0353  
 Toll Free: 1-800-478-2026

**EUROPE**  
 Max Planckstraat 4, 6716 BE  
 Ede, The Netherlands  
 Tel: +31-318-648282  
 Fax: +31-318-648288

**CHINA**  
 8F, No4, Nanyou Tian An Industrial Estate,  
 Shenzhen, China  
 PC: 518052  
 Tel: +86-755-2664-4598  
 Fax: +86-755-2641-9620