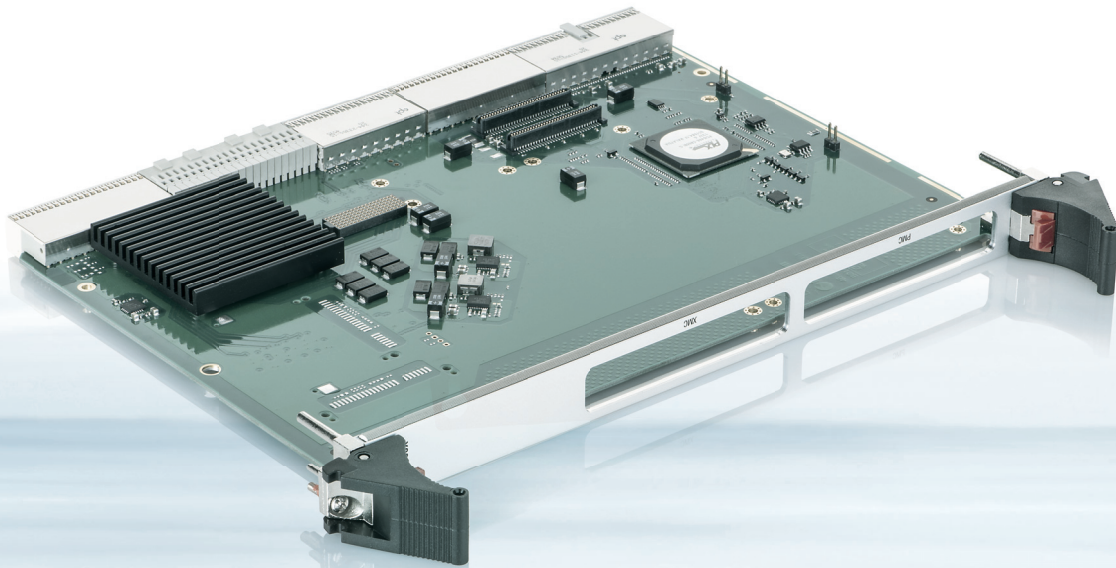


# CP6105X

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## XMC-PMC CARRIER FOR 6U HIGH-SPEED CompactPCI®

- ▶ flexible and cost-effective for a wide range of functions
- ▶ system data throughput via PCIe 3.0 / PICMG2.20 based
- ▶ maximum bandwidth by data stream conversion
- ▶ easy handling: access via front cutouts
- ▶ 10" rackmount but modular, rugged, long-lasting

# CP6105X

## XMC-PMC CARRIER FOR 6U HIGH-SPEED CompactPCI®

### Open up for a wide range of applications

CP6105X opens 6U CPCI platforms up for a wide variety of COTS available XMC and PMC modules, such as Graphics, Framegrabber, Digitizer, Ethernet, and Storage. And FPGA modules, providing for highest possible interface customizations. The carrier may be used either in addition to a CPU-based XMC/PMC connector, or as alternative for an optimized balance of system temperature.

### Highest data throughput and maximum bandwidth

The high speed J4 CompactPCI® backplane connector according to PICMG2.20 enables highest data throughput within the system. Data stream conversion from x8 PCI Express 2.1 (XMC) to x8 or x4 PCI Express 3.0 (system) provides for maximum data bandwidth.

### For 19" Rackmount systems with higher demands

The PICMG2.20 based CompactPCI® line provides a high-speed J4 backplane connector for serial interconnects within the system. This makes CompactPCI /PICMG2.20 the ideal choice for communication or for computing nodes, when ordinary 19" Rackmount systems do not meet the required robustness and longevity.

### The CompactPCI® line for highest serial data throughput

Where CompactPCI® has been already loved because of its openness, modularity, robustness, or longevity, the PICMG2.20 based CompactPCI® line is the choice whenever highest data throughput is required. The technology is open for PCI Express® 3.0, 10 or even 40 Gigabit Ethernet, and SATA 6Gb/s, depending on the capabilities of the selected CPU blades.

## ▶ TECHNICAL INFORMATION

<b>FRONT INTERFACES</b>		PMC front panel cutout, XMC front panel cutout
<b>ONBOARD CONNECTORS</b>	CompactPCI® PMC/XMC	CPCI Standard J1, J2, J3, J5 connectors, CPCI High Speed 2x ZD-Plus (J4) PMC J1, J2 connectors, XMC J15 connector with one x8 PCI Express® 2.1 interface
<b>COMPLIANCY</b>	CompactPCI® XMC PMC SAFETY EMI/EMC	PICMG® 2.0, 2.16, 2.20 (signaling) ANSI/VITA 42.3 P1386.1 UL 60950-1, CSA 22.2 No 60950, EN 60950-1, IEC 60950-1 Designed to meet or exceed: EN 55022 / EN 55024, EN 61000-6-3 / EN 61000-6-2
<b>GENERAL</b>	<b>DIMENSIONS</b> <b>WEIGHT</b> <b>MTBF</b>	6U/4HP, 160 mm x 233 mm 350 g 793.781 h MIL-HDBK-217 FN2 Ground Benign 30° 805.558 h Bellcore Issue 6 Ground Benign 30°
<b>ENVIRONMENTAL</b>	<b>OPERATING TEMPERATURE</b> <b>STORAGE TEMPERATURE</b> <b>HUMIDITY</b> <b>COOLING</b>	-40°C to +70°C (also depending on XMC/PMC modules) -40°C to +85°C (without additional components) 93% RH at 40°C, non-condensing (acc. to EN 60068-2-78) Convection or forced air cooling required, depending on XMC/PMC modules

## ▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
CP6105X	XMC/PMC carrier for 6U CompactPCI PICMG2.20-based. Access via front panel cutouts. XMC to system by PCI Express® via backplane (J4). PMC via PCI.
<b>ASSOCIATED PRODUCTS</b>	CP6004X, CP6005X, CP-RAPID3: CPU blades and card cage for 6U CPCI with 10GbE / PCI Express®

## ▶ CORPORATE OFFICES

### EUROPE

**EMCOMO Solutions AG**  
Industriestr. 10, 89231  
Neu-Ulm, Germany  
Tel.: +49 731 880 3510  
Fax: +49 731 880 35129  
kontron@emcomo.de  
www.emcomo.de

### NORTH AMERICA

14118 Stowe Drive  
Poway, CA 92064-7147  
USA  
Tel.: + 1 888 294 4558  
Fax: + 1 858 677 0898  
info@us.kontron.com

### ASIA PACIFIC

1-2F, 10 Building, No. 8 Liangshuihe 2nd Street,  
Economical & Technological Development Zone,  
Beijing, 100176, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn