# PCIe-XPIMC-Carrier XMC/PMC/PIM Carrier for PCIe



#### Adaption of PMC, XMC and PIM to the PC

- 1 Slot for a PMC or an XMC board
- 1 Slot for a PIM mezzanine card
- · Complete J4 routing to the PIM
- Active Carrier (PCIe-PCI-bridge)

# According to PMC/XMC Standards and Industrial Requirements

- PMC IEEE 1386-2001
- XMC VITA 42.0
- Fan cooling for PMC/XMC board
- Additional fixing points at the upper edge of the card

#### Standard and Reverse Carrier Version

- PIM or PMC/XMC oriented to the slot bracket
- · Flexible cabling concept



#### Carrier Function

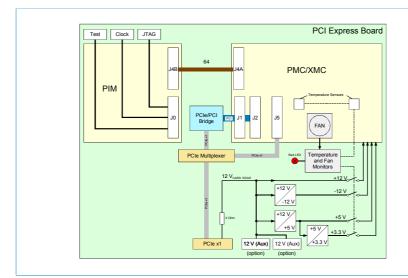
The PCIe-XPIMC-Carrier can carry a single PMC or alternatively an XMC module. The PMCs PCI interface is connected to the boards PCIe card edge interface through a single lane PCI/PCIe bridge.

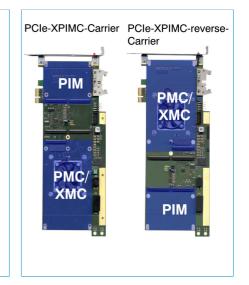
### Reverse Version

Beside the standard version the carrier board is also available in a reverse version. Here the PMC/XMC slot is placed at the slot bracket side and the PIM is oriented towards the system's center.

#### **High Power Application Option**

For extreme high power applications auxiliary power connectors can be equipped as an option. Please contact our sales team at sales@esd.eu.





## Technical Specifications:

PCI/PCIe Interface:			
PCI	33/66 MHz		
PCI-PCIe-bridge type	PI7C9X111SL, Pericom		
PCIe-port	According to PCI Express® 1.1 Specification Base		
Link width	1x		
PMC/XMC Interface	e:		
Standard	PMC: IEEE Std. 1386-2001, IEEE 1386.1-2001		
	XMC: VITA 42.0		
PMC/XMC card size	One single-size module		
Protection circuit	PIM, PMC/XMC and PCIe/PCI bridge are turned off in case of over temperature		
Signal voltage level	PMC: Universal, 3.3V PCI signalling, with 5 V tolerance		
Bus system	XMC: PCI Express 1x		
Connectors	J1: PMC / XMC (Power, PCI) J2: PMC / XMC (Power, PCI) J4a: PMC / XMC (I/O) J5: XMC (PCIe)		

PIM:			
Specification	One single-size module, J0, J4, VITA 36-199x		
General:			
Power supply	Nominal voltage:	3.3 V and 12 V via PCle card edge connector	
	Nominal current: Without PMC/XMC		
	or PIM module:	$I_{12V}$ = approx. 2.	20 mA
Cooling	Fan cooling, switched by jumper		
Temperature range	0°C +50°C ambient temperature		
Order Information:			
Hardware			Order No.
PCIe-XPIMC-Carrier	XMC/PMC/PIM carrier with PIM oriented to slot bracket		V.2100.01
PCIe-XPIMC (reverse)-Carrier	XMC/PMC/PIM carrier with XMC/PMC oriented to slot bracket		V.2100.02
Accessories			Order No.
PCIe-XPIMC- Carrier-bracket	XMC/PMC/PIM mo	unting bracket	V.2100.03