



## Description

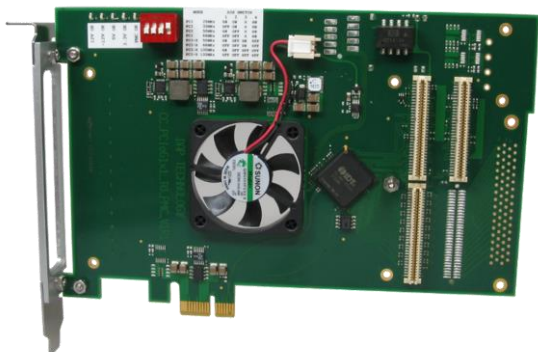
DapTechnology's family of PMC carrier cards adapt PCI Mezzanine Cards (PMC) to a variety of bus architectures including PCI Express (PCIe) and PXI. PMCs combine the electrical characteristic of the PCI bus with the Common Mezzanine Card (CMC) mechanical dimensions, this creating a small mezzanine card that – with the right carrier cards – can be mounted in industry standard card slots.

With DapTechnology's carrier cards powerful mezzanine cards can be added to systems adding system features like increased I/O channels and/or density or enhanced computing power.

## PCI Express / PMC Carrier Card

The PCIe/PMC Carrier card is a standard height, half length PCI Express card that supports a single PMC mezzanine module. It installs in any standard PCI Express slot and is compatible with PMC modules operating at various PCI and PCI-X widths and speeds selectable via a dip switch.

The carrier card is available in a single or 4 lane variant.



## Configurations

Dip switch settings allow the following configurations:

Mode	Dip Switch			
	1	2	3	4
PCI 25 MHz	ON	ON	X	ON
PCI 33 MHz	OFF	ON	X	ON
PCI 50 MHz	ON	OFF	X	ON
PCI 66 MHz	OFF	OFF	X	ON
PCI-X 50 MHz	ON	OFF	ON	OFF
PCI-X 66 MHz	OFF	OFF	ON	OFF
PCI-X 100 MHz	ON	OFF	OFF	OFF
PCI-X 133 MHz	OFF	OFF	OFF	OFF

## Special Options

Please contact DapTechnology regarding the following card variants:

**Molex Power Connector:** delivers more power to the PMC card. It also has a more advanced power source selection circuitry.

**JTAG Connector:** the bridge chip can be accessed via JTAG.

**P4 Breakout Connector:** An added 68-pin connector makes the signals on P4 of the PMC card accessible. This option might not fit in some PC's half-length PCI Express slots.

**Indicators:** extra indicators for lane valid, power supply / power switch status and fan controller status

## SPECIFICATION:

### PCI Express Interface:

Number of PCIe lanes	1 / 4 (depending on model)
Maximum Speed	2.5Gbps per lane
Form factor	standard height, half length
Compliance	PCI Express Base 1.1

### Bridge:

Chip type	Tundra Tsi384
Compliance	PCI Express PCI/PCI-X Bridge 1.0 PCI-to-PCI Bridge Architecture 1.2

### PMC Interface:

PCI width	32 or 64 bits
PCI speed	25, 33, 50 or 66 MHz
PCI-X width	32 or 64 bits
PCI-X speed	50, 66, 100 or 133 MHz
Width selection	automatic
Speed selection	semi-automatic (switch settings limit bus speed)
IO Voltage	3.3V
Card detection	green LED
Compliance	PCI Local Bus 3.0 PCI-X 2.0 (mode 1 only) PCI Bus PMI 1.2

### Power System:

to PMC	12V (25W), -12V (2W), 5V (25W), 3.3V (15W)
PMC card power consumption	25W 15W

### Package Content:

PMC Carrier Card  
User Guide

### Product warranty:

48 months limited warranty

### Operating Range:

0 – 70 C

### Part Number:

CC\_PCIeG1x1\_TO\_PMC  
CC\_PCIeG1x4\_TO\_PMC

## CONTACT INFORMATION:

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