

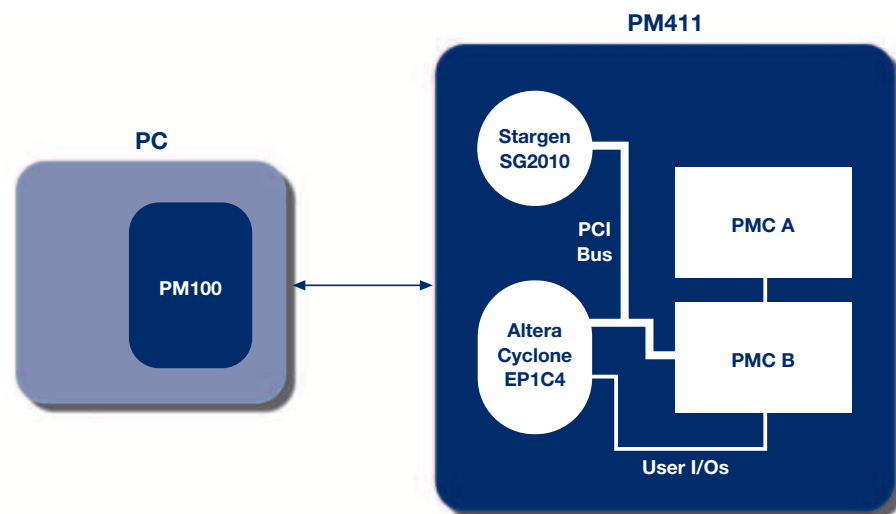
PM411 StarFabric based Multi-PMC Tester

The **PM411** is a modular StarFabric based PMC tester with two PMC module sites. This unit is ideal for development and testing of single or dual PMC modules.

The **PM411** interfaces to a workstation PC via a StarFabric PCI interface card. The **PM411** connects to the StarFabric interface card via two 2.5 Gbps full duplex StarFabric links. CAT5 cables are used to connect the PM411 to the StarFabric PCI interface card. These two can be up to 10 meters apart.

The **PM411** incorporates a Stargen SG2010 StarFabric-to-PCI bridge device. Both PMC sites are connected to the Stargen SG2010. All PCI interfaces are PCI 2.2 compliant and capable of 32/64-bit 33/66Mhz bus speeds.

An ALTERA CYCLONE® FPGA is incorporated and available to the user for custom test or interface firmware. Comprehensive JTAG support is built into the **PM411**. This allows for easy access to JTAG enabled devices on PMC modules as well as the capability to perform boundary scan with suitable third party software.



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FEATURES

StarFabric-to-PCI Bridge

- Incorporates Stargen's SG2010 on tester and interface card
- Two StarFabric links via RJ45 interconnects
- Two 2.5 Gbps full duplex StarFabric serial links

PCI Interface

- PCI Rev. 2.2 compliant interfaces
- 32/64-bit 33/66MHz bus
- PMC sites share the local PCI bus provided by the SG2010 device
- Bus arbitration provided by the SG2010 device

User Programmable FPGA

- ALTERA CYCLONE® EP1C4
- User I/Os from both PMC sites connected to FPGA
- Local PCI bus connected to FPGA
- Configurable via JTAG or on-board serial flash-based ROM

Test Interfaces

- Test pads on tester PCB
- Power consumption test points on 5V and 3.3V supply rails of PMC sites
- JTAG for FPGA, StarFabric-to-PCI bridge and both PMC sites
- LED indicators on PCB and front panel of tester

Power

- Tester powered by external 12V DC input
- Power supply requirements: 4 W + PMC module requirements

Software Support

- Device driver for Windows 2000/XP

Included in Tester Kit

- **PM411 tester in plastic housing**
- **PM100 StarFabric to PCI interface card**
- **CAT5 interface cables**
- **12V DC power supply**
- **ByteBlaster II**
- **Windows 2000/XP device driver**

Disclaimer:

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