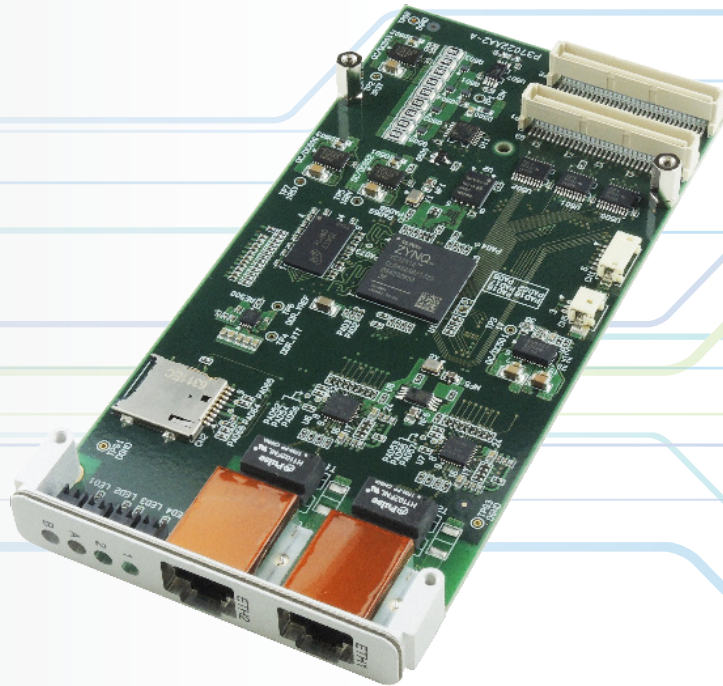# Adpmc1575

FEATURES

- **ARM® Cortex®-A9 Dual-Core**
  (Xilinx® Zynq®-7010)

- **EtherCAT® Master ClassA Compliant**

- **EtherCAT® Feature Pack Support**
  Cable Redundancy / Hot Connect

- **Fast Ethernet 2 Ports**

- **Operating Temperature: 0℃ ～ 55℃**

- **RoHS Compliant**

- **OS: VxWorks® 5.5.1**

Adpmc1575 is a PMC module which has the Ether-CAT® master communicaion function.

This product is equipped with ARM® Cortex®-A9 processor embedded in Xilinx® Zynq®.

As EtherCAT® master protocol stack, Class A compliant EC Master from acontis technologies is used. Cable redundancy and hot connect are supported by EtherCAT® feature pack.

This board is controlled by the host CPU. The data is transferred through the shared memory which is installed in Adpmc1575.

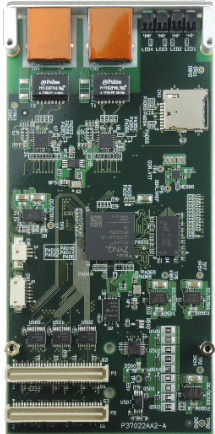Adpmc1575 realizes EtherCAT® master communication minimizing the impact for the host CPU.

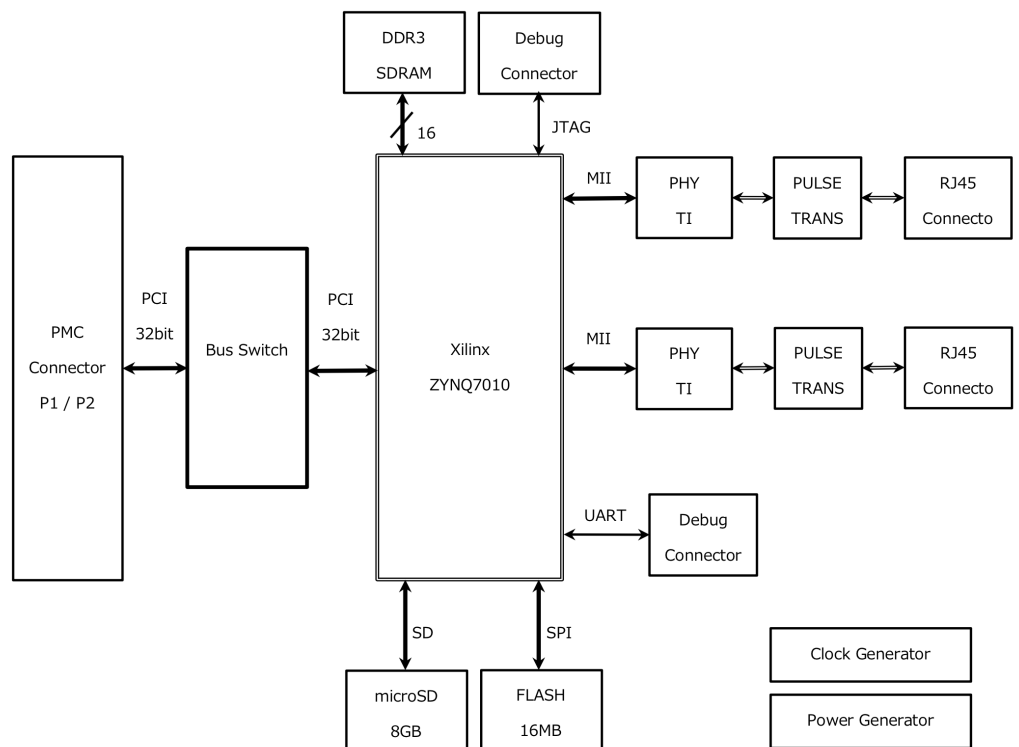**Advanet**
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Adpmc1575

Specifications

Specification

CPU	Processor	ARM® Cortex®-A9 Dual Core (Xilinx® Zynq®-7010)
	Operating Frequency	666 MHz
Memory	Main Memory	DDR3 SDRAM 256 MB
	Boot ROM	SPI-FLASH 16 MB
	Shared Memory	128 KB (Zynq® PL Built-in)
EtherCAT®	Classification	ClassA Compliant
	Feature Pack	Cabel Redundancy / Hot Connect
	Periodic Update	Configurable at 100us ～ 10ms
Front IO	EtherCAT®	2 ports, 100BASE-TX, RJ45 Connector (PHY: TI TLK106)
		*This board cannot be used as Ethernet communication port because it is dedicated to EtherCAT®
	LED	EtherCAT® LINK / LED for ACT lamp x2
		EtherCAT® Status Lamp 2 Colors LED x2
On-board IO	JTAG	1 port for Debug
	UART	1 port for Debug
PMC	Standard	PCI Std: PCI Local Bus Spec. Rev.2.2
		CMC Std: IEEE 1386-2001
		PMC Std: IEEE 1386.1-2001
Power	Supply Voltage	DC 5 V ±5%
	Current Consumption	T.B.D
Mechanical Spec.	Dimensions	74 mm x 149 mm
	Weight	71g
Operating Env.	Operating Temp. Range	0℃ ～ 55℃
	Operating Hum. Range	35% ～ 80% RH (Non-condensing)
	Storage Temp. Range	-10℃ ～ 70℃
	Storage Hum. Range	Not greater than 90% RH (Non-condensing)
	RoHS	Compliant(2011/65/EO)

Block Diagram

*Specifications are subject to change without notice.

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