

Flexible solution consists of PQ II Pro, PQ III processor card and three kinds of carrier

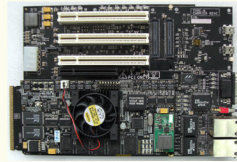
PowerQUICC II Pro and PowerQUICC III development board for Networking, Storage and ATCA/MicroTCA application

MICETEK provides a flexible and more convenient solution of development board based on Freescale PowerQUICC II Pro (PQ II Pro) and III processor family with the exceptional integration, advanced communication performance and high-speed

connectivity, which consist of a reusable PowerPC processor card and three kinds of carrier boards for different application system. Combined with PQ II Pro and PQ III processor card, Type-N carrier can be used for Networking

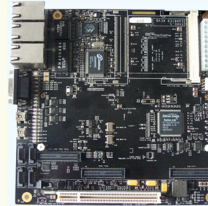
Communication application, Type-S is used for Network Attached Storage, and Type-A can be used for ATCA or MicroTCA chassis. It reduces the design cycle, saves the investment and fastens the time to market for the companies.

MPC8360PC
MPC8343EPC
MPC8347EPC
MPC8540PC
MPC8541EPC
MPC8555EPC
MPC8560PC
MPC8548EPC
MPC8572PC



Type-N carrier

For Networking
Communication application



Type-S carrier

For Network Attached
Storage



Type-A carrier

For ATCA or MicroTCA
chassis

Features of PQ2Pro and PQ3 processor card

Processor Card	PQ2Pro			PQ3					
	MPC8343E	MPC8347E	MPC8360	MPC8540	MPC8541E	MPC8555E	MPC8560	MPC8548E	MPC8572
Core	e300			e500					
Speed (MHz)	266,400	266,400, 533,667	266,400, 533,667	667,833, 1000	533,600, 667,833,1000	533,600, 667,833,1000	667, 833,1000	1000, 1200,1333	1200,1333, 1555
DDR	256Mbytes DDRI/II			256Mbytes DDRI/II					512Mbytes DDR II
Flash	16Mbytes NOR Flash			16Mbytes NOR Flash					8Mbytes NOR Flash, 32Mbytes NAND Flash
PCI	32b@66MHz			32/64b@ 66MHz	2-32/1-64b@66MHz		32/64b@ 66MHz	2-32/1-64b @66MHz	-
USB	1	2	2	-	-	1	-	-	-
Ethernet	2 x TSEC's	2 x TSEC's	2 x TSEC's, 1 x 100M					4 x TSEC's	4 x TSEC's
UART&SPI&I2C	Two UART, two I2C and one SPI controller								
RapidIO	-	-	-	Parallel	-	-	Parallel	Serial	Serial
PCI-E	-	-	-	-	-	-	-	X8	X8
CPM	-	-	Y	-	Y	Y	Y	-	-

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MICETEK
An Embedded Tools Company

Three kinds of Carriers for PQ2Pro and PQ3

Type-N carrier

Applications

- Router, Switch, and Firewall box
- Industrial control extend A/D, D/A, CAN bus, Video card
- MOD Bus over Ethernet

Features:

- Support MPC8347E, 8360, 8540, 8541E, 8555E, 8560, 8548E, 8572
- Two 33/66 MHz 32-bit PCI slots for PCI1 interface

- One 33/66 MHz 32-bit PCI slot for PCI2 interface (for MPC8541E/55E/48E only)
- One PCI-Express X8 connector for SERDES interface (for MPC8548E only)
- Two mini-USB AB connectors (for MPC83xx only)
- Two double Ethernet connectors
- 8.7 inch x 5.8 inch form factor



Type-N carrier plus
MPC8548EPC with enclosure



Type-S carrier plus
MPC8541EPC with enclosure

Type-S carrier

Applications

- Network Attached Storage (NAS)
- Media Digital Server (MDS)

Features

- Support MPC8540/41E/55E/60, MPC8347E/60
- One PCI slot and one mini PCI socket for 33/66 MHz PCI1 interface (3.3V only)

- One mini PCI socket 33 MHz PCI2 interface (3.3 V only)
- Four SATA channels on PCI1 interface
- One 10/100/1000 BaseT copper interface supported by TSEC1 (for PQ III and MPC8347E)
- Four 10/100 Base-T copper interfaces supported via Layer 2 switch controller (ADM6999G) by TSEC2
- Mini-ITX form factor (6.7 inch x 6.7 inch)

Type-A carrier

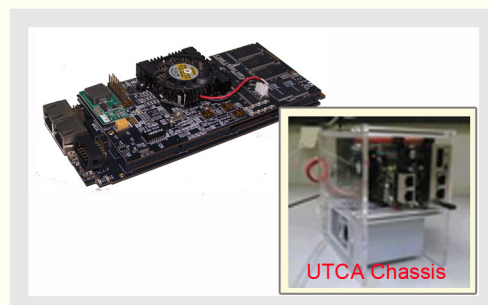
Application

- ATCA or MicroTCA chassis

Features

- Support MPC8347E, 8360, 8540, 8541E, 8555E, 8560, 8548E, 8572
- One 33MHz 32-bit PCI slot for miniPCI1 interface (optional in standalone mode)
- One SATA controller (Optional in standalone mode)
- X8 SERDES interface for Serial RapidIO and PCI Express

- One mini-USB AB connectors (for MPC83xx only)
- One extra mini-USB AB Connector (optional in standalone mode)
- One GBE SERDES interface for AMC edge supported by the first TSECs
- One 10/100/1000 Base-T copper interfaces supported by the second TSEC
- One 10/100/1000 Base-T Ethernet port
- 7.1inch x 2.9 inch form factor



Type-A carrier
with MPC8548EPC

Advantages of Using the PQ2Pro and PQ3 processor card

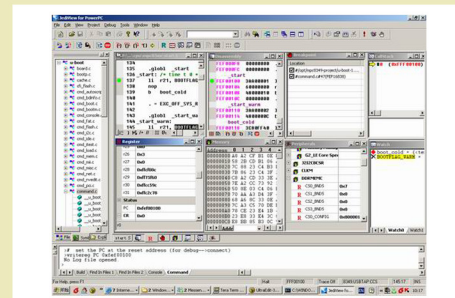
- 1 Flexibility
- 2 Shortening of the design cycle
- 3 Reusability
- 4 Ease of Debug
- 5 Standardized reference

For more information, please visit
our website at www.micetek.com

Related Development Tools



USB TAP in-circuit emulator for PowerPC



JediView for PowerPC IDE

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