

## MPC8548E development platform

### (With Type-N carrier for network communication application)

The development system consists of MPC8548E processor card (MPC8548EPC) and Type-A carrier (PQCBA). It will help developer quickly and simply set up the hardware platform where developer can promptly design and test the application software directly, and then reduce the design cycle and fasten time to market. The Type-N carrier provides multiple high speed connectivity, such as Gigabit Ethernet port, PCI-Express and USB 2.0 port etc. With the development platform, we'll supply Linux BSP for the developer, including U-boot, Linux Kernel and drivers codes of the interfaces on the board. Meanwhile, the developer will get the design file of the carrier and the schematics in PDF of processor card.

These PowerQUICC III processors (PQ38), the MPC8548E, MPC8547E, MPC8545E and MP8543E, are designed to deliver Gigahertz-plus communications processing performance and advanced features with the exceptional integration and high-speed connectivity required by enterprise networking, telecom transmission and switching, 3G wireless infrastructure, storage and high-end imaging markets.

### MT8548E-N features:

- **CPU:** MPC8548E e500 core, speed up to 1.3GHz; Performance: 3065MIPS@1333 MHz

- **Memory:**

- 256Mbytes DDR2
- Up to 16MBytes flash memory

- **Interface:**

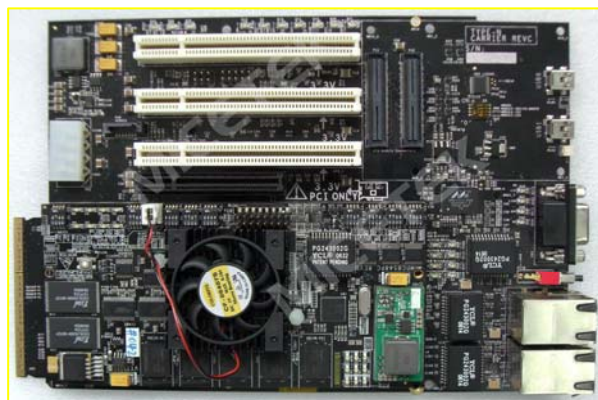
- Four 10/100/1000 BaseT Ethernet interface
- Three PCI slot 32-bit PCI
- One PCI Express slot
- One RS-232 Serial Port

- **General for MPC8548EPC:**

- COP interface
- 5V fan connector
- 3.3V and 5V power supplied from a carrier board
- Flexible POR configuration by different dip switch setting
- 10-layer PCB routing
- Dimension: 5.79 inch x 2.79 inch

- **General for Type-N carrier:**

- 12 V and 5 V power supplies from a 4-pin connector (optional Standalone mode)
- 6-layer PCB routing
- Dimension: 8.7 inch x 5.8 inch



### Order Information

Model	Product Description	Remark
MT8548E-N	MPC8548E development platform with Type-N carrier	
MPC8548EPC	MPC8548E processor card	Optional
USB TAP	USB TAP in-circuit emulator for PowerPC	Optional
JediView for PowerPC	JediView for PowerPC IDE software	Optional