

## MPC8572 development platform

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

To help the network equipment manufacturers simplify the system design and establish the Intelligent Network application, MICETEK provides a more quick and convenience solution, MPC8572 development platform, which consists of MPC8572 processor card (MPC8572PC) and Type-N carrier (PQCBN). 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.

The MPC8572 family of processors is designed to offer clock speeds from 1.2 GHz up to 1.5 GHz, combining two powerful processor cores, enhanced peripherals and high-speed interconnect technology to balance processor performance with I/O system throughput. The MPC8572 processors provide a significant performance increase and represent the next step in continuous innovation from the popular PowerQUICC family. With uncompromising integration, the MPC8572 platform builds on the embedded core performance of Power Architecture technology and adds new features to enhance traffic management and security acceleration.

### MT8572-N features:

- **CPU:** MPC8572 dual e500 core, speed up to 1.333GHz each core; Performance: 6897 MIPS@1500 MHz

- **Memory:**

- 512Mbytes DDR2 at 533MHz SDRAM
- Up to 8MBytes NOR flash memory
- Up to 32MBytes NAND 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 MPC8572PC:**

- 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
MT8572-N	MPC8572 development platform with Type-N carrier	
MPC8572PC	MPC8572 processor card	Optional
USB TAP	USB TAP in-circuit emulator for PowerPC	Optional
JediView for PowerPC	JediView for PowerPC IDE software	Optional