

MPC8347E development platform

(With Type-S carrier for network attached storage application)

The development system consists of MPC8347E processor card (MPC8347EPC) and Type-S carrier (PQCBS). 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. Combined with MPC8347E processor card, the Type-S carrier can be used for network attached storage application. 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.

Based on a system-on-chip (SoC) architecture, the MPC8347E PowerQUICC II Pro Family integrates the enhanced e300 core and advanced features, such as DDR memory, Dual Gigabit Ethernet, Dual PCI and Hi-Speed USB controllers. The MPC8347E PowerQUICC II Pro Family is designed to provide a cost-effective, highly integrated control processing solution that addresses the emerging needs of networking, communications and pervasive computing applications. MPC8347E processors can be used in applications such as Ethernet routers and switches, wireless LAN (WLAN) equipment, network storage, home network appliances, industrial control equipment, and copiers, printers and other imaging systems.

MT8347E-S features:

- **CPU:** MPC8347E e500 core, speed up to 400MHz
- **Memory:**
 - 256Mbytes DDR1
 - Up to 16Mbytes flash memory, two 8Mbytes banks
- **Interface:**
 - Four SATA connectors
 - One 10/100/1000 BaseT Ethernet interfaces
 - 4-port 10/100 BaseT Ethernet switch
 - Two miniUSB 2.0 ports
 - One PCI slots
 - Two miniPCI slot
 - One RS-232 Serial Port
- **General for MPC8347EPC:**
 - COP interface
 - 5V fan connector
 - 3.3V and 5V power supplied from a carrier board
 - Flexible POR configuration by different dip switch setting
 - 8-layer PCB routing
 - Dimension: 5.79 inch x 2.79 inch
- **General for Type-S carrier:**
 - 12 V and 5 V power supplies from a 4-pin connector (optional Standalone mode)
 - 6-layer PCB routing
 - Dimension: 6.7 inch x 6.7 inch



Order Information

| Model | Product Description | Remark |
|----------------------|---|----------|
| MT8347E-S | MPC8347E development platform with Type-S carrier | |
| MPC8347EPC | MPC8347E processor card | Optional |
| USB TAP | USB TAP in-circuit emulator for PowerPC | Optional |
| JediView for PowerPC | JediView for PowerPC IDE software | Optional |