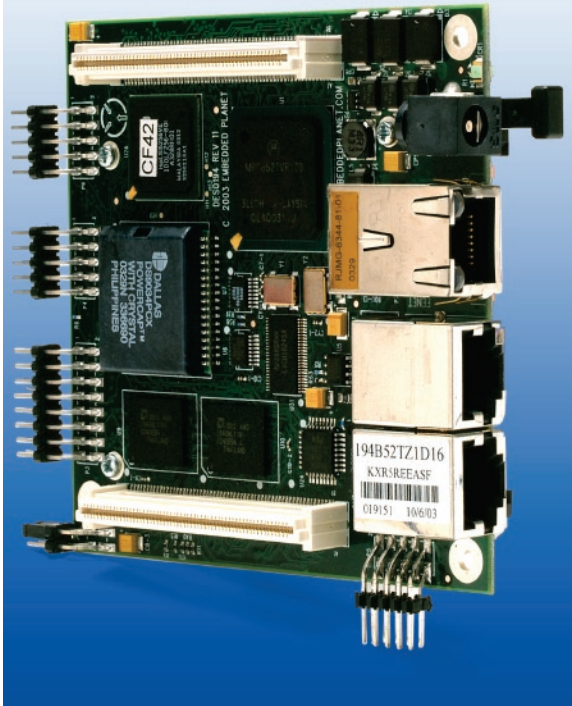


## Embedded Planet EP852



### Features:

- Freescale PowerPC PowerQUICC 852 processor
- RPX Bus for direct access to processor signals
- SDRAM 16, 32, 64, or 128MB
- Flash 8, 16, 32, or 64MB
- NVRAM 32, 128, or 512KB; Real-Time Clock
- 10/100BaseT Ethernet connection
- 10BaseT Ethernet connection
- PCMCIA slot Type: I, II and III
- Two RS-232 Serial ports
- Serial EEPROM SPI
- Serial temperature SPI
- Debug and JTAG port
- BCSR Control and Status Registers
- Dipswitch 4-position slide switch
- 5.25 to 3V operation (draws 1A max)
- PC/104 Mechanical 3.550x3.775" (90x96 mm)
- Operating Range 0° C to 70° C, Extended Temperature Range -40° C to 85° C available

**design.**  
The next  
generation of  
connected devices.

**develop.**  
Your products  
based on our  
platform.

**deploy.**  
Your solution  
faster.

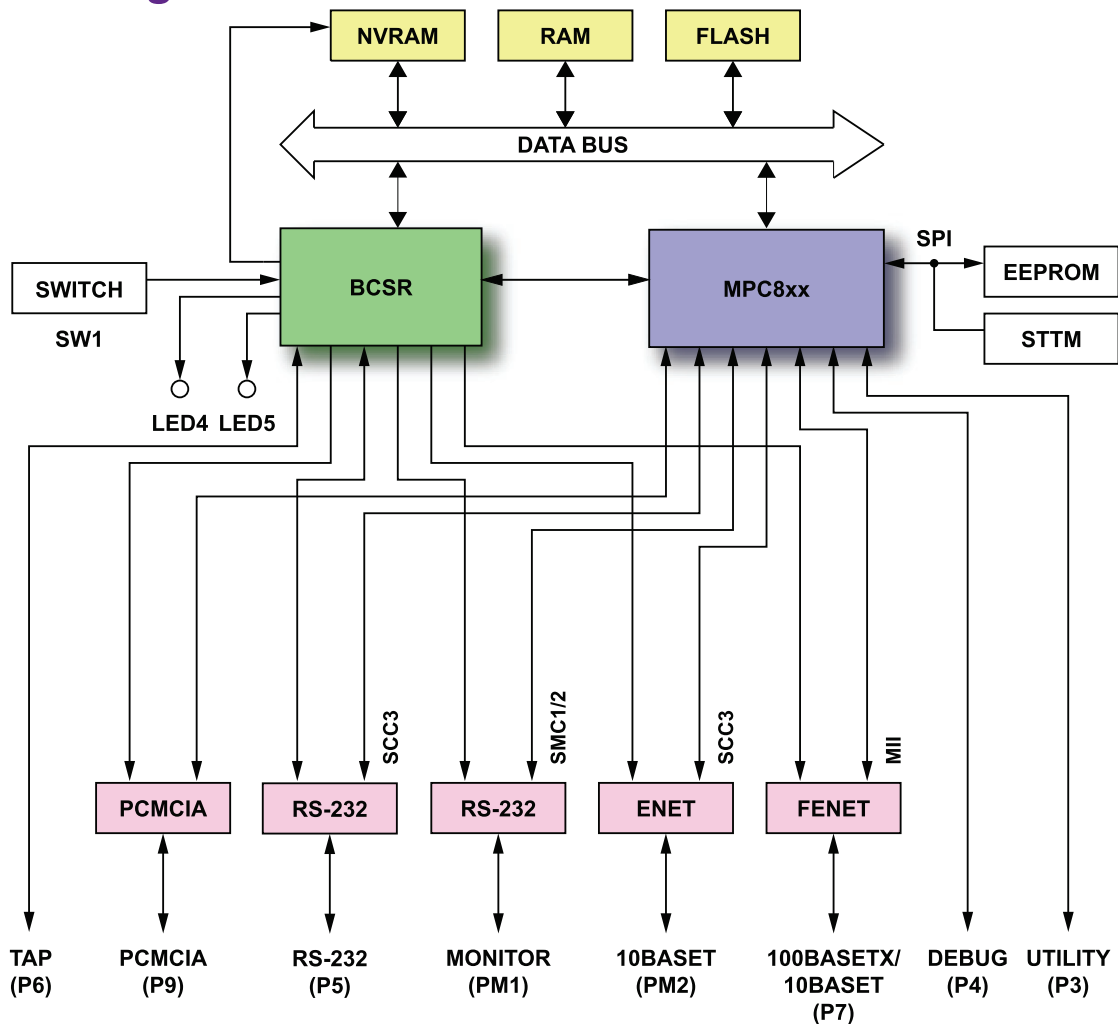
### Flexible Single Board Computer

The EP852 single board computers take advantage of the Freescale MPC852 PowerQUICC PowerPC processors. By integrating all of the features of the PowerPC into a production ready embedded development system, the EP852 reduces Time-To-Market and increases product reliability for Communications, Military/Aerospace, Medical, and Industrial applications. The EP852 single board computers include the RPX bus that provides direct access to MPC852 processor signals for additional I/O expansion.

### Product Options

Single Board Computer includes a cable kit, power supply, and CD with complete documentation. Board Development Kit includes processor bus breakout debug boards, PDF schematics, and support. Design Kits are available with schematic and firmware source. Embedded Planet provides customization and integration services. Production board population options can be configured to match customer requirements.

## Block Diagram



## Software Development Tools

Linux and VxWorks BSPs are available from Embedded Planet. The BSP development CDs come complete with documentation, source code, pre-compiled images, build files and tools.

INTEGRITY BSP is available from Green Hills Software. Other RTOS options are also available.

Embedded Planet PlanetCore firmware is provided with each module and includes a Bootloader, Flash Burner, and Diagnostics. Download and run applications via Ethernet or serial, test board hardware, and burn images to Flash.

Complete line of low level and application level TCP/IP stack and protocols code is available.

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