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design.

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deploy.

Embedded Planet EP8248E



Features:

- Freescale PowerPC PowerQUICC II 8248 processor
- Can operate as PCI Edge or Stand Alone module
- EP S Bus for direct access to processor signals
- SDRAM 16, 32, 64 or 128MB
- Flash 8, 16, 32 or 64MB
- Two 10/100BaseT Ethernet connections
- Two RS-232 Serial ports
- USB host or target connection
- 32-bit, 33/66MHz PCI
- Serial EEPROM I2C
- Debug COP and JTAG port
- BCSR Control and Status Registers
- Dipswitch 4-position slide switch
- 5.25 to 3.0V operation (1.5A max)
- Mechanical 107x167mm
- Operating Range 0° C to 70° C, Extended Temperature Range -40° C to 85° C available

Flexible Single Board Computer

The EP8248E single board computers take advantage of the Freescale MPC8248 PowerQUICC II PowerPC processors. By integrating all of the features of the PowerPC into a production ready embedded development system, the EP8248E reduces Time-To-Market and increases product reliability for Communications, Military/Aerospace, Medical, and Industrial applications. The EP8248E single board computers include the EP S bus that provides direct access to MPC8248 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.

design.

The next
generation of
connected devices.

develop.

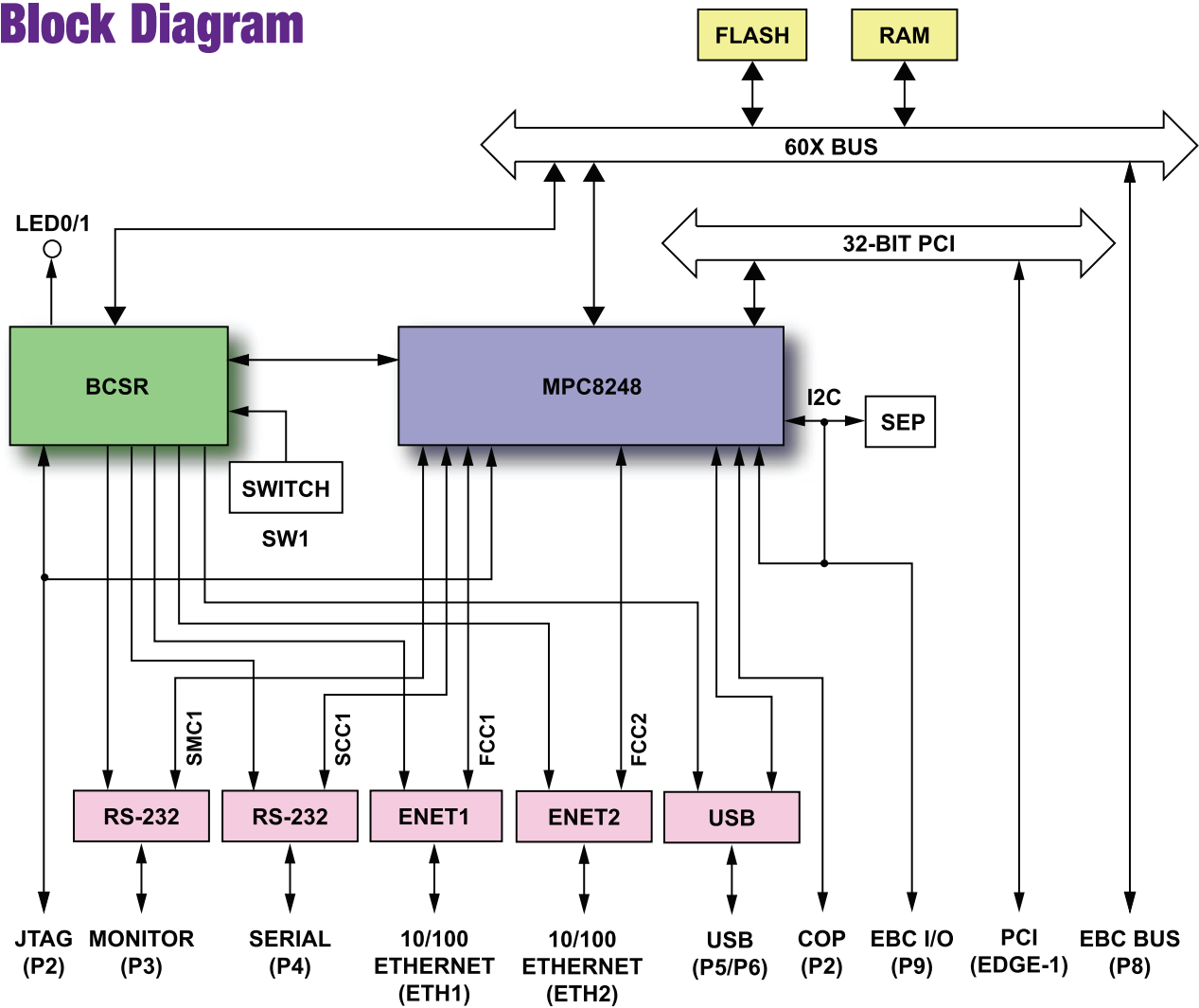
Your products
based on our
platform.

deploy.

Your solution
faster.



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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