

The EP885C uses the newest generation of Freescale's PowerQUICC I family, MPC885 and MPC880, to create a full featured PC/104 mechanical CPU module.

The MPC885 and MPC880 processors feature an integrated PowerPC core and Communications Processor Module (CPM) to provide a scalable computing solution for networked devices. The PowerPC core can run at speeds of 133MHz and provide general purpose control and computing functionality, while the dedicated CPM offloads communications functions such as USB, Fast Ethernet, HDLC, and ATM. In addition the MPC885 includes an integrated security engine to accelerate processing of encryption protocols such as AES, DES/3DES, and SHA/MD5/HMAC.

Feature Summary:

Specification:	Description:
Form Factor:	PC/104 Mechanical (90mm x 96mm)
Expansion:	EPX Bus for direct access to processor signals
Ports:	Two 10/100 Ethernet Two RS-232 Serial Ports
Processor:	Freescale PowerQUICC I MPC885 or MPC880
Memory:	RAM: Up to 128MB FLASH: Up to 64MB NVRAM: Up to 512KB
Debug:	JTAG/COP via an onboard connector
Power Supply:	5.25 to 3 VDC single supply
Software:	PlanetCore firmware is provided with each module and includes a Bootloader, Flash Burner, and Diagnostics

The processor expansion bus on the EP885 brings all of the processor signals to standard connectors allowing you simple and full access to the power of the processor. Like all Embedded Planet products, the EP885C can be custom configured to meet your requirements and is volume production ready.

For a smaller form factor single board computer featuring the MPC885 and MPC880 see the Credit Card Sized EP88xS.