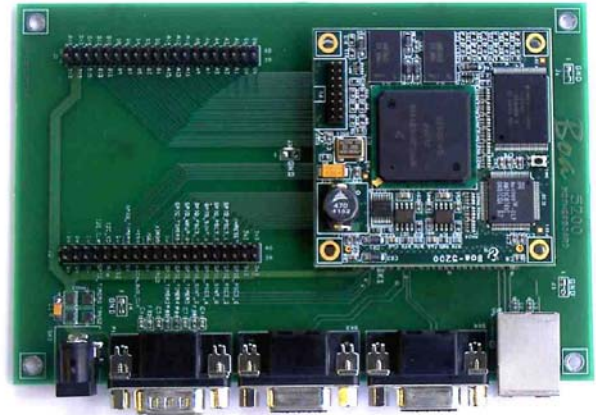


Boa5200 MPC5200B Module



BOA200



BOA5200 with Carrier Card

Standard Development Module:

The Boa5200 module provides a proven functional unit for inclusion in OEM products. By embedding the Boa5200, the parent system can utilise the full functionality of the module, including the on-board 10/100TX Ethernet controller, the 2x CAN controllers and the serial interfaces. The optional carrier board allows ready access to the ports as a stand alone product. This approach supports the board's use as a development platform, and allows easy migration to use as an embedded module in the target application.

Supplied with on-board operating system (eCos and Linux options), working IP stack and GNU development tools, the Boa5200 is designed to enable rapid product development and cost-effective enhancement to existing products.

Custom Embedded Module:

For production volumes, the Boa5200 card can be fully customised to meet application requirements. A range of MPC5200B based cards are available, or a new version can be created as required. Module and motherboard features can be integrated into single module solutions, with OS drivers developed, providing a complete system solution. Each customised derivative is a COTS card, with the same warranty and support status as the existing standard card range.

Contact A&M to discuss the customisation service.

Module Specification

SDRAM	64MB/128MB, 32-bit wide
Flash	16MB/32MB, 16-bit wide
Processor	MPC5200B, core speed 400MHz
Ethernet	1x 10/100 Ethernet (connector off board)
CAN	2 CAN ports (connectors off board)
Serial	1x RS232 (connector off board)
Expansion	Expansion header port with address and data, 2x CAN, 1x serial, 1x ethernet, 1x I2C, 16 pins GPIO
OS	Linux (2.6.x) and eCos supplied
Dimensions	62mm x 62mm
Temperature	0°C/70°C (-40°C/+85°C available)
Power Supply	Single 3V3 (via expansion port)
JTAG	On board JTAG header (16 pin)
USB	1x USB 1.1 port (configurable as host or device)
Motherboard features	Ethernet Port, Serial Port & 2 x CAN Ports

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