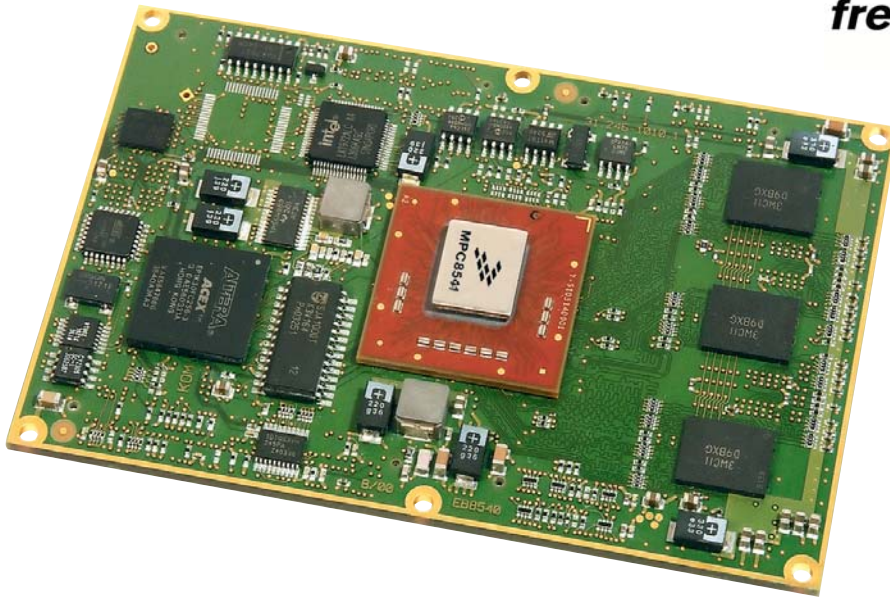


➤ EB8541 MPC8541 PowerPC



E²BRAIN *the intelligent module*

- **Outstanding Performance**
The EB8541 delivers highest performance and data throughput with integrated security features.
- **Comprehensive Feature Set**
As a complete Computer-On-Module, the EB8541 comprises a comprehensive and well-balanced set of board interfaces and features.
- **Open standard**
Take advantage of the open E²Brain standard assuring compatibility, upgradability and easy deployment.

Product Overview

Addressing the needs for higher compute density, lower system cost and increasing demands in data security, the EB8541 E²Brain Computer-On-Module is designed to provide the highest level of performance and integration available today.

Outstanding Performance

The highly performant Freescale MPC8541 PowerPC processor integrates the enhanced e500 core (PowerPC Book E compliant) with 256 kB L2 cache. Together with DDR-SDRAM, Dual GigaBit Ethernet, two Fast Ethernet interfaces and a built-in security engine for encryption/decryption tasks, the EB8541 provides an unprecedented level of computing performance, memory and I/O bandwidth.

Comprehensive Feature Set

The EB8541 provides an unparalleled combination of interfaces and features for demanding embedded computing tasks. Dual Gigabit Ethernet and two Fast Ethernet interfaces, six serial ports, I²C, PCI, LPC, CompactFlash and CAN together with a real time clock and watchdog leave nothing to be desired.

Open Standard

The E²Brain Computer-On-Module family based on an open standard offers a bunch of advantages like scalability and upgradability, paving the way for shorter time-to-market for all kind of embedded computing appliances.

Ordering Information

Product	Description	Order No.
EB8541	E ² Brain PowerPC module with Freescale MPC8541 @ 660MHz, 256MB DDR-SDRAM, 16MB Flash, 4 serial ports, CAN interface	29273
EB8541	E ² Brain PowerPC module with Freescale MPC8541 @ 660MHz, 128MB DDR-SDRAM, 8MB Flash, 2 serial ports	29274
KIT-EB8540	EB8540/8541 documentation on CD-R ¹	27808
VXW-BSP-EB8541	VxWorks Board Support Package for WindRiver Workbench	29963
LIN-BSP-EB8541	Linux Board Support Package, distribution independent package with cross toolchain and root file system	30186
EB8541-EVALKIT	Evaluation kit for EB8541, contains EB8541 (256MB SDRAM, 16MB Flash), evaluation carrier board, power supply, cabling, pre-installed Linux BSP, CD-ROM with documentation and Linux software	30187
1) KIT-EB8540 downloadable from the Internet free of charge		

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