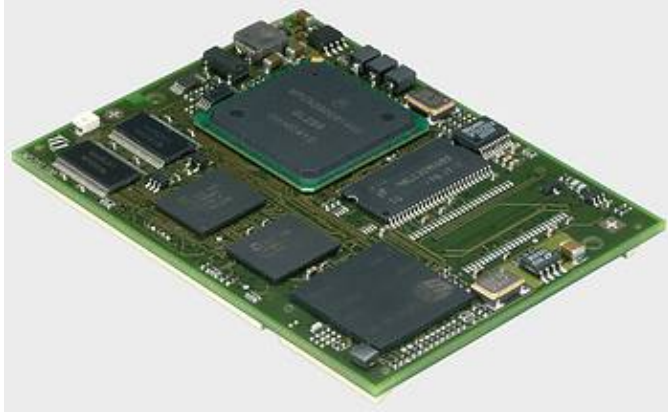


[Home > Products](#)**Product detail view**[<<< Back](#)**Embedded module TQM5200****Key functionalities**

Freescale MPC5200 (Power Architecture),
400 MHz

High graphics performance through
integrated graphics controller (SM501/SM502)

Substantial computing power, numerous
interfaces

Multifunctional external bus (PCI / ATA / IDE)

Up to 6 serial interfaces

Compact outer dimensions (80mm x 60mm)

Low power dissipation, passive cooling

Robust 0,8mm mezzanine connection
system, long-term availability

[>>> Download Brochure](#)**Microprocessor**

Microprocessor	Freescale MPC5200 (Power Architecture)
CPU frequency	400 MHz
CPM	BestComm DMA-Subsystem
FPU	Double precision
Security engine	No
I-Cache	16 KByte
D-Cache	16 KByte

Memory

EEPROM	0 - 32 KByte
NOR-Flash	4 MByte - 32 MByte

SRAM	0 - 1 MByte
SDRAM	16 MByte - 256 MByte

Serial interfaces & busses

RS232	2x
Ethernet 10/100BaseT	1x
CAN	2x
USB	2x Host
I ² C	2x
SPI	2

Parallel interfaces & busses

IDE	1x
PCI	32-Bit

Other interfaces & busses

GPIO	Up to 56
Address bus width	32-Bit
Data bus width	32-Bit
SDRAM clock	133 MHz
Local bus frequency	32-bit / up to 66 MHz

Graphic

CRT	16- / 32-bit
LCD/TFT	16- / 32-bit
Graphic resolution	1024 x 768

Operatings systems

Standard operating systems	Linux 2.6, VxWorks 6.6, Neutrino 6.3
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General

Product family	TQM52xx
Availability	Prototype
Dimensions	80mm x 60mm
Pin number	320
Plug system	0.8mm
Temperature range	0°C ... +70°C

Extended temperature range	-40°C ... +85°C
RoHS	Yes
Power supply	3,3 V
RTC	Yes
Grafik	SM501/SM502
Temperatursensor	No

Order information

TQM5200-AK

Variant

Freescale MPC5200B / 400 MHz, 32 Mbyte Flash, 128 MByte SDRAM, 1 MByte SRAM, 8 kByte EEPROM, with graphic SM501, with temperature sensor, -40°C ... +85°C

>>> Price request

Downloads

Link to download area

Downloads TQM52xx embedded modules