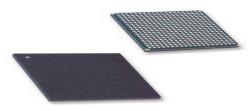
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## MPC5125 32-bit Microprocessor

### **General Description:**

The MPC5125, a cost and power consumption optimized, automotive, industrial networking, and human-machine interface (HMI) solution. It helps reduce your development time, provides more communication peripherals at a competitive price and delivers ultra-low power without sacrificing performance.



### **Key Features:**

- e300c4 Power Architecture core
- Display interface supporting WXGA / 720p, 24-bit color
- Dual 10/100 Ethernet media access controller (MAC)
- Dual USB 2.0 On-the-Go (OTG) controller
- Four CAN 2.0A/B modules
- 800 MIPS of performance at less than 1 watt
- Complimentary Freescale MQX<sup>™</sup> software solutions
- Complimentary Linux BSP
- Chip ID and field programmable OTP
- Dual SD/SDIO expansion slots.

#### MPC5125 Block Diagram

LCD Controller	USB H/D/OTG	l²C x 2	CAN2.0 A/B x 4
10/100 Ethernet MAC	USB H/D/OTG	SDHC x 2	J1850
10/100 Ethernet MAC	64 ch. DMA	Timer x 16 16-bit	PSC x 10
32 KB I-Cache	32 KB D-Cache	32 KB SRAM	

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## **Applications:**

- Fieldbus to Ethernet Gateways
- Robotics
- Industrial Networking Gateways (routers) and converters
- High End Lighting Control
- Fire & Alarm Supervisory Controllers
- HVAC Central Management System
- Digital Signage
- Point of Sales Terminal
- Hospital Bed Control
- Smart Hospital and Tele-Health Gateways

## **Related Products Information:**

Mfr Part #	Farnell #	Newark #	Description
MPC5125YVN400	1823926	69R7775	MPC5125 32-bit microprocessor324PBGA

