

PowerQUICC, 32 Bit Power Architecture, 450MHz, Comms Processor, PCI, USB, HDLC, Enet, 0 to 105C

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	TBGA-480
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MPC8270CZUUPEA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

MPC8270CZUUPEA is a part number of a microprocessor from the MPC8270 family, manufactured by NXP Semiconductors (formerly Freescale Semiconductor). It is a highly integrated system-on-chip (SoC) designed for embedded networking and communications applications.

Features

- PowerPC e300 core running at up to 400 MHz
- Integrated DDR1/SDRAM controller supporting up to 2 GB of memory
- Dual Gigabit Ethernet controllers with support for TCP/IP and other networking protocols
- Integrated PCI and PCI-X interfaces for connectivity with external devices
- Integrated security engine for encryption and decryption of data
- Support for various operating systems, including Linux and VxWorks
- Low power consumption for energy-efficient designs

Application

- Network routers and switches
- Wireless access points and base stations
- Voice over IP (VoIP) gateways and routers
- Industrial automation and control systems
- Storage area networks (SANs)
- Network-attached storage (NAS) devices

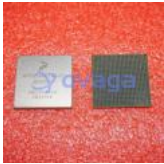


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