

Microprocessors - MPU REV2.1.3 FG Part

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	783-BBGA, FCBGA
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MPC8548EVTAUJC or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MPC8548EVTAUJC is a microprocessor chip manufactured by NXP Semiconductors (formerly Freescale Semiconductor). It belongs to the PowerQUICC III family of processors and is based on the e500 core architecture. This chip is designed for use in embedded systems and networking applications.

## Features

- It has a clock speed of up to 1.33 GHz and a maximum power consumption of 17.2 W.
- It has a 32 KB instruction cache and a 32 KB data cache, as well as a 512 KB L2 cache.
- It has a dual-core architecture, with two e500 cores on a single chip.
- It supports a wide range of interfaces, including PCI Express, Gigabit Ethernet, USB, SATA, and serial interfaces.
- It has a built-in security engine for hardware-based encryption and decryption.

## Application

- Networking equipment, including routers, switches, and gateways.
- Industrial control systems, including programmable logic controllers (PLCs) and human-machine interfaces (HMIs).
- Storage systems, including network-attached storage (NAS) and storage area networks (SANs).
- Aerospace and defense applications, including avionics and radar systems.



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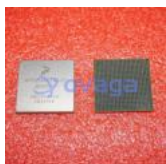
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