

Communications Processor, QorIQ P1 Series, 800 MHz, 950 mV, BGA-689

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	PBGA-689
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for P1020NXE2HFB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

P1020NXE2HFB is a part number for a PowerPC processor from NXP Semiconductors (formerly Freescale Semiconductor). It belongs to the QorIQ P1020 family of processors and is designed for embedded and networking applications.

## Features

Dual-core PowerPC e500mc processor running at up to 1.067 GHz

32 KB L1 instruction and data caches per core, and 512 KB L2 cache shared between the cores

Support for DDR3 memory up to 1066 MHz and up to 4 GB

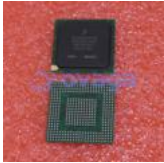
Integrated security engine with hardware acceleration for encryption/decryption, hash, and random number generation

Integrated Gigabit Ethernet controllers and USB 2.0 host and device controllers

Support for multiple I/O interfaces such as SPI, I2C, UART, and GPIOs



## Related Products



### [P1010NXE5HHB](#)

NXP Semiconductor  
BGA-425



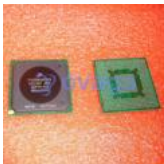
### [ISP1521BE](#)

NXP Semiconductor  
QFP80



### [ISP1582BS](#)

NXP Semiconductor  
QFN-56



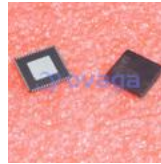
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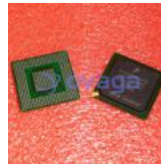
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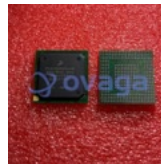
### [ISP1583BS](#)

NXP Semiconductor  
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PBGA-561



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