

FPGA - Field Programmable Gate Array FPGA - Cyclone III 2475 LABs 128 IOs

Manufacturers	<u>Altera Corporation (Intel)</u>
Package/Case	QFP240
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EP3C40Q240C8N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

EP3C40Q240C8N is a product code for an FPGA (Field Programmable Gate Array) device manufactured by Altera (now part of Intel).

### Features

It belongs to the Cyclone III family of FPGAs.

It has 39,600 logic elements (LEs) and 266 user I/O pins.

It has a maximum of 480 user I/O pins with the use of an external memory interface.

It operates at a maximum frequency of 400 MHz.

It has 504 kbits of embedded memory.

It has up to eight phase-locked loops (PLLs) for generating clock signals.

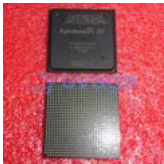
It supports various communication protocols such as USB, Ethernet, and PCI Express.

### Application

EP3C40Q240C8N can be used in various applications that require programmable logic, such as digital signal processing, video and image processing, wireless communication, and industrial control systems.



## Related Products



### [EP4CE55F29C8N](#)

Altera Corporation (Intel)  
FBGA-780



### [EPM240M100C5N](#)

Altera Corporation (Intel)  
BGA-100



### [EPM1270T144A5N](#)

Altera Corporation (Intel)  
TQFP-144



### [EPM570F256C5N](#)

Altera Corporation (Intel)  
FBGA-256



### [EP2C35F672C8N](#)

Altera Corporation (Intel)  
FBGA-672



### [EPM7128AETC100-10](#)

Altera Corporation (Intel)  
TQFP-100



### [EP2C35F484C7N](#)

Altera Corporation (Intel)  
FBGA-484



### [EP2C35F484I8N](#)

Altera Corporation (Intel)  
FBGA-484