

FPGA Cyclone® Family 5980 Cells 405.2MHz 130nm Technology  
1.5V 240-Pin PQFP



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Intel Corp](#)

**Package/Case:** QFP240

**Product Type:** Programmable Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Obsolete

## General Description

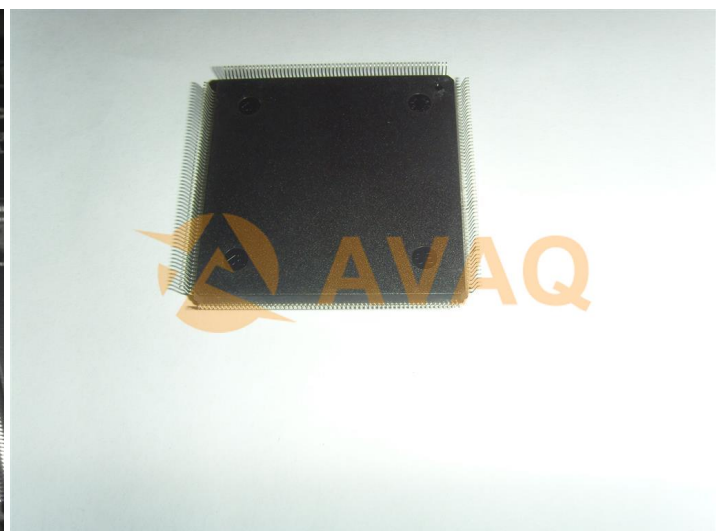
EP1C6Q240C6N is an FPGA (Field-Programmable Gate Array) device from the Cyclone series of FPGAs manufactured by Intel (formerly Altera). The device has 6,192 logic elements, 216 Kbits of embedded memory, and 72 embedded multipliers.

## Key Features

- 6,192 logic elements (LEs)
- 216 Kbits of embedded memory
- 72 embedded multipliers
- 104 user I/O pins
- Low power consumption
- High-performance architecture
- On-chip oscillator

## Application

- Communications equipment
- Industrial control systems
- Medical equipment
- Automotive systems
- Military and aerospace systems
- Video and image processing



## Recommended For You

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### EPMB256AQC208-10N

Intel Corp

QFP208

### EPCQ32ASI8N

Intel Corp

SOP8

### EPCQ32SI8N

Intel Corp

SOP8

### EPCQ64ASI16N

Intel Corp

SOP16

### EPCQ16SI8N

Intel Corp

SOP8

### EPC2II32

Intel Corp

QFP

### EPM7128STC100-15N

Intel Corp

QFP100

### EP1C6Q240I7N

Intel Corp

QFP240

### EPCQ128SI16N

Intel Corp

SOP16

### EPM7128SLC84-15N

Intel Corp

PLCC

### EPC1213PC8

Intel Corp

DIP8

### EP1K30TC144-3N

Intel Corp

QFP

### EPCS1SI8

Intel Corp

SOP-8

### EPC1PI8N

Intel Corp

DIP8

### EPC2LI20N

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PLCC