


**FPGA Cyclone® Family 5980 Cells 275.03MHz 130nm Technology
1.5V 240-Pin PQFP Tray**

Manufacturer:	Intel Corp
Package/Case:	QFP240
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

EP1C6Q240C8N is a programmable logic device (PLD) manufactured by Intel (formerly Altera). It belongs to the Cyclone series of PLDs and is based on the FPGA (Field-Programmable Gate Array) architecture.

Key Features

- It has 6,000 logic elements (LEs).
- It has 240 embedded memory blocks (MBs).
- It has 72 embedded 18x18 multipliers.
- It has a maximum operating frequency of 250 MHz.
- It has 1.8V to 3.3V power supply voltage.
- It comes in an 8mm x 8mm, 240-pin FineLine BGA package.

Application

- Industrial automation and control systems
- Digital signal processing (DSP)
- High-speed communication systems
- Video processing and display
- Medical equipment
- Automotive systems
- Aerospace and defense systems



Recommended For You

EPMB256AQC208-10N

Intel Corp
QFP208

EPCQ32ASI8N

Intel Corp
SOP8

EPCQ32SI8N

Intel Corp
SOP8

EPCQ64ASI16N

Intel Corp
SOP16

EPCQ16SI8N

Intel Corp
SOP8

EPC2H32

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

EPCS1S18

Intel Corp

SOP-8

EPC1P18N

Intel Corp

DIP8

EPC2L120N

Intel Corp

PLCC