


## FPGA Cyclone® Family 5980 Cells 405.2MHz 130nm Technology 1.5V 256-Pin FBGA

|                      |  |
|----------------------|--|
| <b>Manufacturer:</b> | <a href="#">Intel Corp</a>   |
| <b>Package/Case:</b> | BGA  |
| <b>Product Type:</b> | Programmable Logic ICs   |
| <b>RoHS:</b>         | RoHS Compliant/Lead free  |
| <b>Lifecycle:</b>    | Obsolete   |



Images are for reference only

[Inquiry](#)

### General Description

The Cyclone® field programmable gate array family is based on a 1.5-V, 0.13- $\mu$ m, all-layer copper SRAM process, with densities up to 20,060 logic elements (LEs) and up to 288 Kbits of RAM. With features like phase-locked loops (PLLs) for clocking and a dedicated double data rate (DDR) interface to meet DDR SDRAM and fast cycle RAM (FCRAM) memory requirements, Cyclone devices are a cost-effective solution for data-path applications. Cyclone devices support various I/O standards, including LVDS at data rates up to 640 megabits per second (Mbps), and 66- and 33-MHz, 64- and 32-bit peripheral component interconnect (PCI), for interfacing with and supporting ASSP and ASIC devices. Altera also offers new low-cost serial configuration devices to configure Cyclone devices.



### Recommended For You

#### EPMB256AQC208-10N

Intel Corp  
QFP208

#### EPCQ32ASI8N

Intel Corp  
SOP8

#### EPCQ32SI8N

Intel Corp  
SOP8

**EPCQ64ASI16N**

Intel Corp

SOP16

**EPCQ16SI8N**

Intel Corp

SOP8

**EPC2T132**

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

**EPC1PI8N**

Intel Corp

DIP8

**EPC2LI20N**

Intel Corp

PLCC