

**FPGA Cyclone® Family 4000 Cells 320.1MHz 130nm Technology
1.5V 400-Pin FBGA**



Images are for reference only

[Inquiry](#)

Manufacturer:	Intel Corp
Package/Case:	BGA
Product Type:	Programmable Logic ICs
Lifecycle:	Obsolete

General Description

The Cyclone® field programmable gate array family is based on a 1.5-V, 0.13-µm, 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

EPC1P18N

Intel Corp

DIP8

EPC2LI20N

Intel Corp

PLCC