

**FPGA ACEX 1K Family 100K Gates 4992 Cells 333.33MHz 0.22um
Technology 2.5V 484-Pin FBGA**



Images are for reference only

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

General Description

EP1K100FC484-1 is a specific model of Field-Programmable Gate Array (FPGA) manufactured by Altera Corporation (now a part of Intel Corporation).

Key Features

The EP1K100FC484-1 FPGA contains 100,000 logic elements, which can be programmed to perform a wide range of digital functions.

It has 3.3V power supply and operates at a maximum frequency of 200 MHz.

The device has 4 PLLs (Phase Locked Loops), 372 user I/O pins, and up to 16 embedded multipliers.

The FPGA also has on-chip memory blocks (RAM) and high-speed serial transceivers, which can be used for high-speed data communication.

Application

Digital signal processing (DSP)

High-performance computing (HPC)

Networking and telecommunications

Video and image processing

Aerospace and defense

Industrial control systems

Test and measurement



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

EPCS1SI8

Intel Corp

SOP-8

EPC1PI8N

Intel Corp

DIP8

EPC2LI20N

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