

**FPGA ACEX 1K Family 100K Gates 4992 Cells 180MHz 0.22um  
Technology 2.5V 256-Pin FBGA**



Images are for reference only

<b>Manufacturer:</b>	<a href="#">Intel Corp</a>
<b>Package/Case:</b>	BGA
<b>Product Type:</b>	Programmable Logic ICs
<b>Lifecycle:</b>	Obsolete

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## General Description

EP1K100FC256-3 is a part number for a Field-Programmable Gate Array (FPGA) from the Stratix family, manufactured by Intel Corporation (formerly Altera).

## Key Features

- 100,000 logic elements (LEs)
- 3.3V power supply
- 256-pin FineLine BGA package
- 18 embedded multipliers
- 784 Kb of embedded memory
- Up to 350 MHz clock frequency
- Support for various I/O standards, including LVDS, LVTTL, PCI, and others
- Built-in self-test (BIST) capabilities

## Application

- Digital signal processing (DSP)
- High-performance computing
- Image and video processing
- Industrial automation and control
- Aerospace and defense
- Telecommunications



## 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**

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