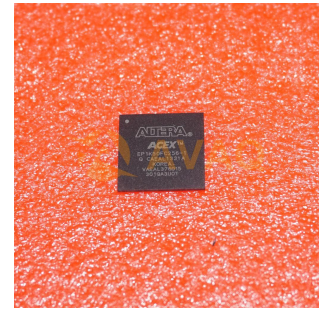


FPGA ACEX 1K Family 50K Gates 2880 Cells 250MHz 0.22um  
Technology 2.5V 256-Pin FBGA



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

[Inquiry](#)

## General Description

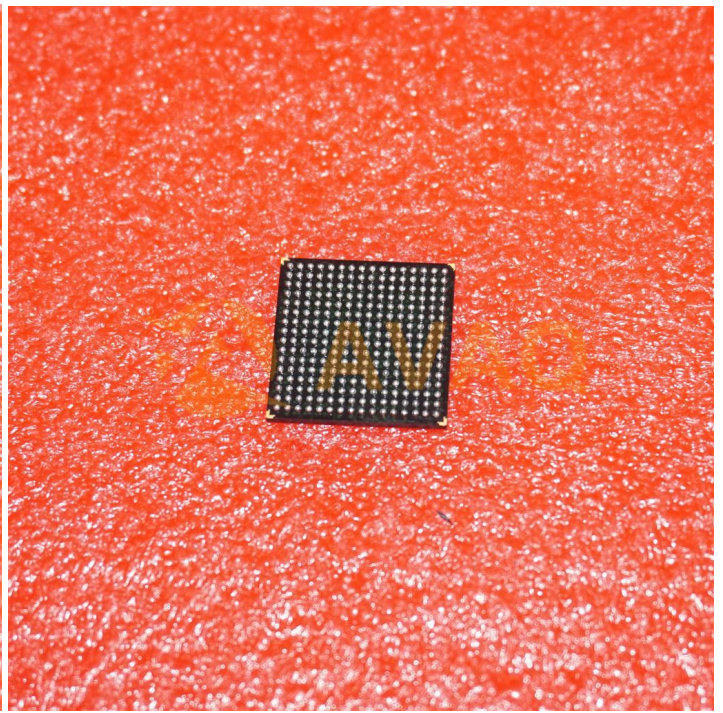
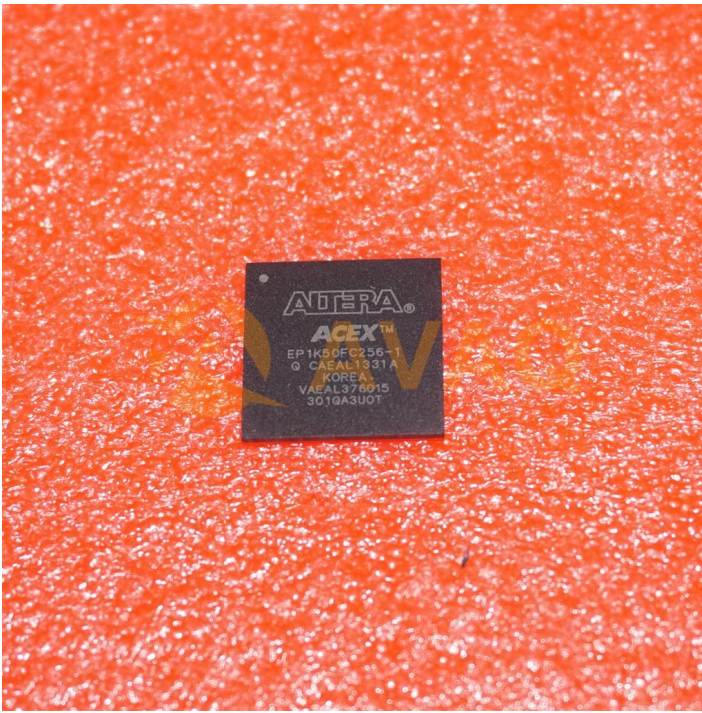
EP1K50FC256-1 is an FPGA (Field Programmable Gate Array) device manufactured by Altera (now part of Intel).

## Key Features

- It has a maximum of 49,152 logic elements (LEs)
- 3,072 Kbits of embedded memory
- 156 embedded 18 x 18 multipliers
- 4 PLLs (Phase-Locked Loops)
- 266 user I/O pins
- 1.5V core voltage
- 256-pin FineLine BGA package

## Application

- Industrial control systems
- Video and image processing
- Communication systems
- High-performance computing
- Medical imaging
- Aerospace and defense
- Automotive systems
- Consumer electronics



## Recommended For You

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### EPMB256AQC208-10N

Intel Corp

QFP208

### EPCQ32ASI8N

Intel Corp

SOP8

### EPCQ32SI8N

Intel Corp

SOP8

### EPCQ64ASI16N

Intel Corp

SOP16

### EPCQ16SI8N

Intel Corp

SOP8

### EPC2II32

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

Intel Corp

PLCC