

## CPLD MAX® 7000S Family 2.5K Gates 128 Macro Cells 147.1MHz 5V 100-Pin TQFP Tray



Images are for reference only

**Manufacturer:** [Intel Corp](#)

**Package/Case:** TQFP

**Product Type:** Programmable Logic ICs

**Lifecycle:** Obsolete

[Inquiry](#)

### General Description

EPM7128STC100-6 is a programmable logic device (PLD) manufactured by Intel (formerly Altera), which is a type of digital integrated circuit that can be programmed to perform various digital logic functions. It is part of the MAX 7000 series of CPLDs (Complex Programmable Logic Devices) and is in a 100-pin TQFP (Thin Quad Flat Pack) package. The "100-6" in the part number refers to the number of pins and the speed grade of the device, which is 6 ns.

### Key Features

- It has 128 macrocells or programmable logic elements (PLEs).
- It has 64 input/output pins (I/O pins) for interfacing with external devices.
- It has a 100 MHz maximum operating frequency.
- It has 128 registers for storing data.
- It has on-chip programmable power-up clear (PPC) circuitry.
- It has programmable security bits for protection against unauthorized access.

### Application

- Digital system design and prototyping.
- Logic replacement for discrete logic circuits.
- Interface and glue logic for connecting different digital components.
- Control and data processing in embedded systems.
- Communication and networking applications.
- Industrial automation and control systems.
- Consumer electronics and automotive 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

### **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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