

Complex Programmable Logic Devices CPLD - MAX 7000 160 Macro 84 IOs

Manufacturers [Altera Corporation \(Intel\)](#)

Package/Case TQFP-100

Product Type Programmable Logic ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for EPM7160STI100-10 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EPM7160STI100-10 is a specific part number of a programmable logic device (PLD) manufactured by Intel (formerly Altera), which belongs to the MAX 7000 series of devices. It is a field-programmable gate array (FPGA) with 1600 macrocells, and it is designed to be used in digital logic applications.

Features

1600 macrocells: These are the basic building blocks of the FPGA, which can be configured to implement various digital logic functions.

10 ns maximum propagation delay: This refers to the time it takes for a signal to propagate through the device, which affects the maximum operating frequency.

100 MHz maximum operating frequency: This is the maximum clock frequency at which the device can reliably operate.

5V tolerant inputs: This means that the device can accept input signals with voltages up to 5V, making it compatible with both 3.3V and 5V logic systems.

3.3V operation: The device operates with a supply voltage of 3.3V.

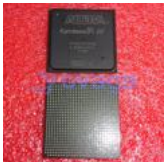
Application

Digital logic design: EPM7160STI100-10 can be used to implement a wide range of digital logic functions, such as combinational logic, sequential logic, and complex state machines. It is commonly used in applications such as embedded systems, digital signal processing (DSP), and communications.

Prototyping and testing: EPM7160STI100-10 can be used as a prototyping tool for designing and testing digital logic circuits before they are implemented in dedicated application-specific integrated circuits (ASICs) or other custom hardware solutions.

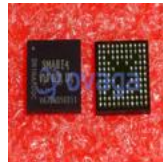


Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484C7N](#)

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FBGA-484



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FBGA-484