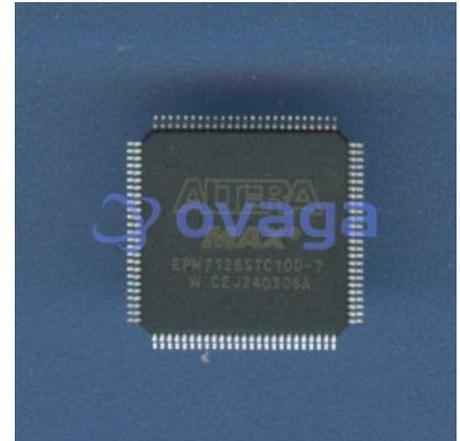


CPLD MAX® 7000S Family 2.5K Gates 128 Macro Cells 125MHz 5V 100-Pin TQFP Tray

Manufacturers	Altera Corporation (Intel)
Package/Case	TQFP-100
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EPM7128STC100-7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EPM7128STC100-7 is a type of programmable logic device (PLD) from the MAX 7000 series of devices manufactured by Intel (formerly Altera). It is part of the MAX 7000 family of field-programmable gate arrays (FPGAs) and belongs to the MAX 7000S CPLD family, which is a low-power version of the MAX 7000 series.

Features

It has 128 macrocells, which are programmable logic blocks that can be used to implement various digital logic functions.

It has 5V-tolerant inputs, which allows it to interface with both 3.3V and 5V logic levels.

It operates with a supply voltage of 3.3V, which makes it suitable for low-power applications.

It has a maximum pin count of 100 pins (hence the "100" in the part number), which refers to the number of input/output (I/O) pins available for connecting to external devices.

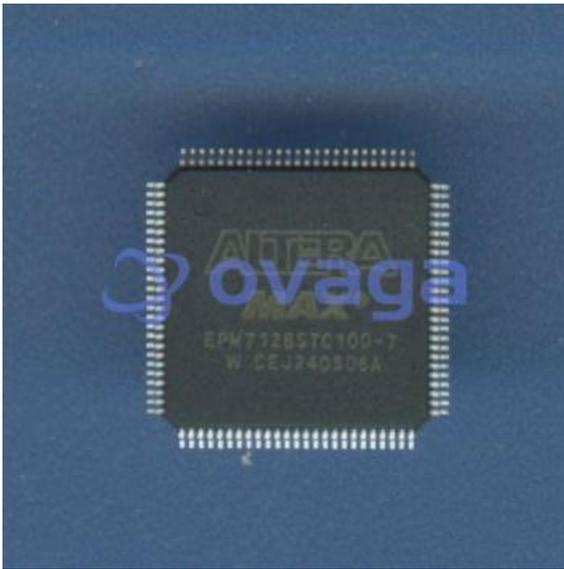
It has a -7 speed grade, which indicates its performance characteristics in terms of maximum operating frequency and propagation delay.

Application

EPM7128STC100-7 is used in a wide range of applications that require digital logic functions to be implemented, such as embedded systems, industrial control, communications, medical devices, and automotive systems.

It can be used to implement various functions such as state machines, data path logic, protocol interfaces, and control logic.

It is commonly used in design prototyping, system verification, and product development where reprogrammability and flexibility are important.



Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



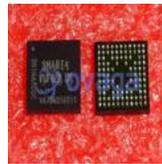
[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EP2C35F484C7N](#)

Altera Corporation (Intel)
FBGA-484



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484I8N](#)

Altera Corporation (Intel)
FBGA-484