

FPGA - Field Programmable Gate Array FPGA - Cyclone I 598 LABs 185 IOs

Manufacturers	<a href="#">Altera Corporation (Intel)</a>
Package/Case	FBGA-256
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EP1C6F256C8N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

EP1C6F256C8N is a field-programmable gate array (FPGA) device manufactured by Intel (formerly Altera).

### Features

It has 6,144 logic elements (LEs) that can be programmed to perform specific logic functions.

It has 256 embedded memory blocks (total memory of 810Kbits).

It has 192 18x18-bit multipliers that can be used for digital signal processing (DSP) applications.

It has four phase-locked loops (PLLs) that can generate clock signals with low jitter.

### Application

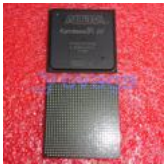
EP1C6F256C8N can be used in various applications such as communication, video and image processing, digital signal processing, control systems, and embedded systems.

It can be used for implementing complex digital systems in hardware, providing faster performance compared to software implementation.

It can also be used for prototyping and testing of ASIC designs.

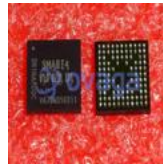


#### Related Products



[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](#)

Altera Corporation (Intel)  
FBGA-484



[EP2C35F484I8N](#)

Altera Corporation (Intel)  
FBGA-484