

Image may be representation.  
See specifications for product details.



## EP1C6F256I7N

Manufacturer Part Number	<b>EP1C6F256I7N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP1C6F256I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 185 I/O 256FBGA
Package	256-BGA
Data sheet	<a href="#">256-FBGA Pkg Info.pdf</a> <a href="#">Virtual JTAG Megafunton Guide.pdf</a> <a href="#">Cylindrical Battery Holders.pdf</a>

**Get a Quote**

EP1C6F256I7N - Intel.New Original in Stock. Download Linear Technology EP1C6F256I7N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP1C6F256I7N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP1C6F256I7N Tech Specifications

EP1C6F256I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	Number of Logic Elements/Cells	5980
Total RAM Bits	92160	Number of LABs/CLBs	598
Supplier Device Package	256-FBGA (17x17)	Number of I/O	185
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	256-BGA	Base Product Number	EP1C6
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C6F256I7N

Product Attribute				
Part Number	EP1C6F256I7N	EP1C6F256C7N	EP1C6Q240C7N	EP1C6Q240C8
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	256-BGA	256-BGA	240-BFQFP	240-BFQFP
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	240-PQFP (32x32)	240-PQFP (32x32)
Number of Logic Elements/Cells	5980	5980	5980	5980
Base Product Number	EP1C6	EP1C6	EP1C6	EP1C6
Package	Tray	Tray	Tray	Tray
Number of LABs/CLBs	598	598	598	598
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Number of I/O	185	185	185	185
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Total RAM Bits	92160	92160	92160	92160
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### EP1C6F256I7N Datasheet PDF

Download EP1C6F256I7N pdf datasheets and Intel documentation for EP1C6F256I7N - Intel.

#### Datasheets

- [256-FBGA Pkg Info.pdf](#)
- [Virtual JTAG Megafunton Guide.pdf](#)

#### PCN Packaging

- [All Dev Pkg Chg 1/Aug/2018.pdf](#)
- [Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

#### PCN Design/Specification

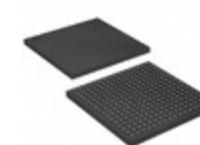
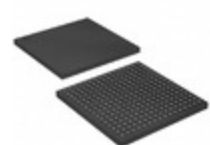
- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

#### HTML Datasheet

- [Cylindrical Battery Holders.pdf](#)

### Customers Also Interested in

#### Recommended Products



**EP1C6F256C7N**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6Q240C8N**Intel  
IC FPGA 185 I/O 240QFP**EP1C6Q240I7N**Intel  
IC FPGA 185 I/O 240QFP**EP1C6F256I8N****EP1C6Q240C8M**

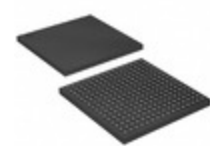
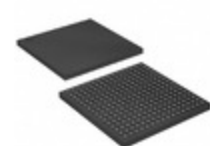
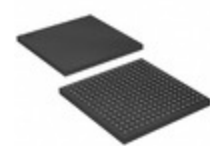
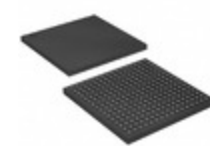
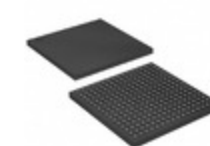
Altera (Intel)

**EP1C6F256C8L**

Altera (Intel)

**EP1C6Q240C7N**Intel  
IC FPGA 185 I/O 240QFP**EP1C6F256I7L**

Altera (Intel)

**EP1C6F256C6N**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6Q240C8**Intel  
IC FPGA 185 I/O 240QFP**EP1C6F256I7**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6F256C7**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6Q240I7**Intel  
IC FPGA 185 I/O 240QFP**EP1C6Q240C6**Intel  
IC FPGA 185 I/O 240QFP**EP1C6F256C6**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6F256C8**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6F256C8N**Intel  
IC FPGA 185 I/O 256FBGA**EP1C6Q240C6N**Intel  
IC FPGA 185 I/O 240QFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



Phone  
+00852 9146 4856



Email  
info@allelco.com

## Certifications & Memberships



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