

Image may be representation.  
See specifications for product details.



## EP3C16F256C6N

Manufacturer Part Number	<b>EP3C16F256C6N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP3C16F256C6N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 168 I/O 256FBGA
Package	256-LBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cylindrical Battery Holders.pdf</a> <a href="#">Cyclone III Family Overview.pdf</a> <a href="#">Cyclone III_Design Guidelines.pdf</a>
RoHs Status	RoHS Compliant

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EP3C16F256C6N - Intel.New Original in Stock. Download Linear Technology EP3C16F256C6N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP3C16F256C6N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP3C16F256C6N Tech Specifications  
EP3C16F256C6N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	Number of Logic Elements/Cells	15408
Total RAM Bits	516096	Number of LABs/CLBs	963
Supplier Device Package	256-FBGA (17x17)	Number of I/O	168
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	256-LBGA	Base Product Number	EP3C16
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C16F256C6N

Product Attribute				
Part Number	EP3C16F256C6N	EP3C16F256A7N	EP3C16F484C6N	EP3C16F256I7N
Manufacturer	Intel	Intel	Intel	Intel
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III
Base Product Number	EP3C16	EP3C16	EP3C16	EP3C16
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	484-FBGA (23x23)	256-FBGA (17x17)
Number of LABs/CLBs	963	963	963	963
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Package / Case	256-LBGA	256-LBGA	484-BGA	256-LBGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	15408	15408	15408	15408
Total RAM Bits	516096	516096	516096	516096
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Number of I/O	168	168	346	168

### EP3C16F256C6N Datasheet PDF

Download EP3C16F256C6N pdf datasheets and Intel documentation for EP3C16F256C6N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone III Family Overview.pdf](#)
- [Cyclone III\\_Design Guidelines.pdf](#)

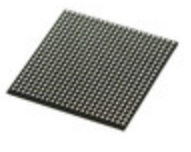
#### HTML Datasheet

- [Cylindrical Battery Holders.pdf](#)

### Customers Also Interested in

#### Recommended Products

- EP3C16F256A7N**  
Intel  
IC FPGA 168 I/O 256FBGA
- EP3C16F484C6N**  
Intel  
IC FPGA 346 I/O 484FBGA
- EP3C16F256I7N**  
Intel  
IC FPGA 168 I/O 256FBGA
- EP3C16E144C8N**  
Intel  
IC FPGA 84 I/O 144EQFP
- EP3C16F256I7**  
Intel  
IC FPGA 168 I/O 256FBGA
- EP3C120F780I7**  
Intel  
IC FPGA 531 I/O 780FBGA



EP3C16F484C7

Intel  
IC FPGA 346 I/O 484FBGA



EP3C120F780I7N

Intel  
IC FPGA 531 I/O 780FBGA

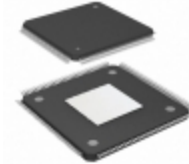


EP3C16F256I6N

Altera (Intel)

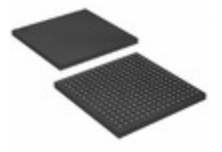


EP3C120F780I8N



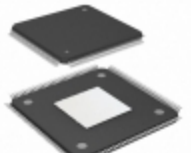
EP3C16E144C7N

Intel  
IC FPGA 84 I/O 144EQFP



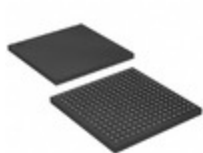
EP3C16F256C7N

Intel  
IC FPGA 168 I/O 256FBGA



EP3C16E144A7N

Intel  
IC FPGA 84 I/O 144EQFP



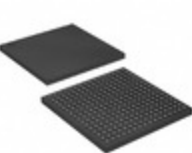
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Intel  
IC FPGA 168 I/O 256FBGA



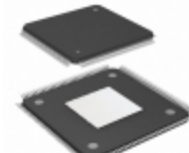
EP3C120F780I6N

Altera (Intel)



EP3C16F256C8

Intel  
IC FPGA 168 I/O 256FBGA



EP3C16E144I7N

Intel  
IC FPGA 84 I/O 144EQFP



EP3C16F256I7

Altera (Intel)

## 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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