

Image may be representation.  
See specifications for product details.



## EP3C5U256I7N

Manufacturer Part Number	<b>EP3C5U256I7N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP3C5U256I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 182 I/O 256UBGA
Package	256-LFBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cyclone III Device Handbook Vol2.pdf</a> <a href="#">Cyclone III Device Handbook Vol2.pdf</a> <a href="#">Cyclone III Family Overview.pdf</a> <a href="#">Cyclone III Datasheet.pdf</a>
RoHs Status	RoHS Compliant

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EP3C5U256I7N - Intel.New Original in Stock. Download Linear Technology EP3C5U256I7N datasheet/specifications on AllelcoElec.com.  
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### Specifications

EP3C5U256I7N Tech Specifications

EP3C5U256I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	Number of Logic Elements/Cells	5136
Total RAM Bits	423936	Number of LABs/CLBs	321
Supplier Device Package	256-UBGA (14x14)	Number of I/O	182
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	256-LFBGA	Base Product Number	EP3C5
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C5U256I7N

Product Attribute				
Part Number	EP3C5U256I7N	EP3C5F256C6N	EP3C5F256I7N	EP3C80F48417
Manufacturer	Intel	Intel	Intel	Intel
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III
Number of LABs/CLBs	321	321	321	5079
Number of I/O	182	182	182	295
Package / Case	256-LFBGA	256-LBGA	256-LBGA	484-BGA
Supplier Device Package	256-UBGA (14x14)	256-FBGA (17x17)	256-FBGA (17x17)	484-FBGA (23x23)
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	423936	423936	423936	2810880
Base Product Number	EP3C5	EP3C5	EP3C5	EP3C80
Number of Logic Elements/Cells	5136	5136	5136	81264
Package	Tray	Tray	Tray	Tray

### EP3C5U256I7N Datasheet PDF

Download EP3C5U256I7N pdf datasheets and Intel documentation for EP3C5U256I7N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone III Device Handbook Vol2.pdf](#)
- [Cyclone III Family Overview.pdf](#)
- [Cyclone III Datasheet.pdf](#)

#### PCN Design/Specification

- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Cyclone Material Chgs 15/Jul/2016.pdf](#)

#### PCN Packaging

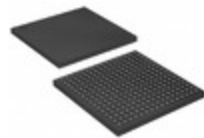
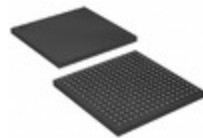
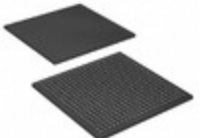
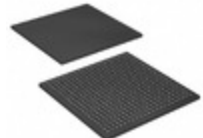
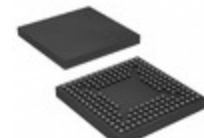
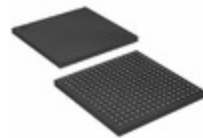


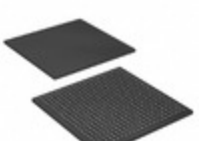

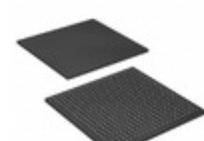
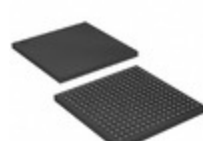
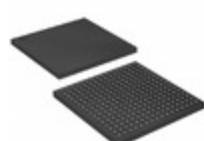
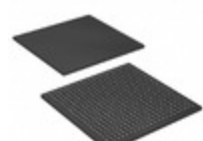
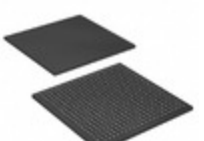
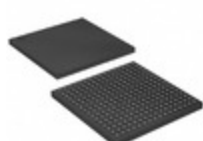
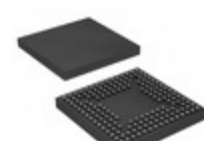
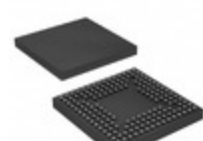
- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

#### HTML Datasheet

- [Cyclone III Device Handbook Vol2.pdf](#)

## Customers Also Interested in

### Recommended Products

 <b>EP3C5F256C6N</b> Intel IC FPGA 182 I/O 256FBGA	 <b>EP3C5F256I7N</b> Intel IC FPGA 182 I/O 256FBGA	 <b>EP3C80F484I7</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C80F484C8</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C5M164I7N</b> Intel IC FPGA 106 I/O 164MBGA	 <b>EP3C5F256C7N</b> Intel IC FPGA 182 I/O 256FBGA
 <b>EP3C80F780C7</b> Intel IC FPGA 429 I/O 780FBGA	 <b>EP3C5E144I7N</b> Intel IC FPGA 94 I/O 144EQFP	 <b>EP3C80F484C6N</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C80F780C6N</b> Intel IC FPGA 429 I/O 780FBGA	 <b>EP3C80F484C8N</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C5F256I7</b> Intel IC FPGA 182 I/O 256FBGA
 <b>EP3C5F256C8N</b> Intel IC FPGA 182 I/O 256FBGA	 <b>EP3C80F484C7N</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C80F484I7N</b> Intel IC FPGA 295 I/O 484FBGA	 <b>EP3C5F256C8</b> Intel IC FPGA 182 I/O 256FBGA	 <b>EP3C5M164C7N</b> Intel IC FPGA 106 I/O 164MBGA	 <b>EP3C5M164C8N</b> Intel IC FPGA 106 I/O 164MBGA

## 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

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