

Image may be representation.
See specifications for product details.



EP3C16U256A7N

Manufacturer Part Number	EP3C16U256A7N
Manufacturer	Intel
Allelco Part Number	32D-EP3C16U256A7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 168 I/O 256UBGA
Package	256-LFBGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone III Family Overview.pdf Cyclone III Device Handbook Vol1.pdf Cyclone III Datasheet.pdf
RoHS Status	RoHS Compliant

Get a Quote

EP3C16U256A7N - Intel.New Original in Stock. Download Linear Technology EP3C16U256A7N datasheet/specifications on AllelcoElec.com.
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Specifications

EP3C16U256A7N Tech Specifications
EP3C16U256A7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 125°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-UBGA (14x14)	Number of I/O	168
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	256-LFBGA	Base Product Number	EP3C16
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C16U256A7N

Product Attribute				
Part Number	EP3C16U256A7N	EP3C16Q240C8N	EP3C16F484I7N	EP3C16U484I7N
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	256-LFBGA	240-BFQFP	484-BGA	484-FBGA
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	EP3C16	EP3C16	EP3C16	EP3C16
Package	Tray	Tray	Tray	Tray
Number of I/O	168	160	346	346
Supplier Device Package	256-UBGA (14x14)	240-PQFP (32x32)	484-FBGA (23x23)	484-UBGA (19x19)
Total RAM Bits	516096	516096	516096	516096
Operating Temperature	-40°C ~ 125°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of LABs/CLBs	963	963	963	963
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Number of Logic Elements/Cells	15408	15408	15408	15408

EP3C16U256A7N Datasheet PDF

Download EP3C16U256A7N pdf datasheets and Intel documentation for EP3C16U256A7N - Intel.

Datasheets

Virtual JTAG Megafuntion Guide.pdf

Cyclone III Family Overview.pdf

Cyclone III Datasheet.pdf

PCN Design/Specification

Mult Series Software Chgs 26/Mar/2020.pdf

Mult Dev Material Chg 27/Sep/2017.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 Vol1.pdf

Customers Also Interested in

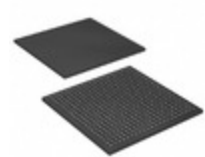
Recommended Products



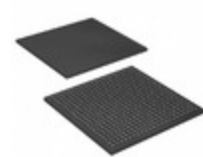
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Intel
IC FPGA 160 I/O 240QFP



EP3C25E144C6N
Altera (Intel)
Altera (Intel)



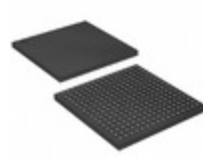
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Intel
IC FPGA 346 I/O 484FBGA



EP3C16U484I7N
Intel
IC FPGA 346 I/O 484UBGA



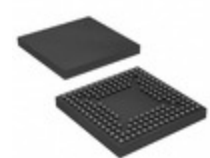
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Intel
IC FPGA 346 I/O 484FBGA



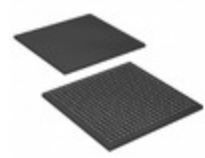
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Intel
IC FPGA 168 I/O 256UBGA



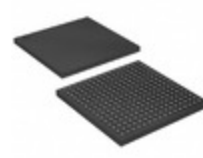
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Intel
IC FPGA 160 I/O 240QFP



EP3C16M164C8N
Intel
IC FPGA 92 I/O 164MBGA



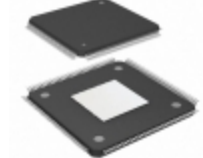
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Intel
IC FPGA 346 I/O 484FBGA



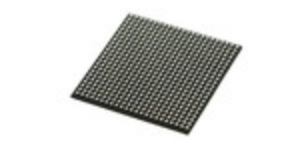
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Intel
IC FPGA 168 I/O 256UBGA



EP3C16Q240I6N
Altera (Intel)



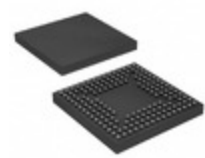
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Intel
IC FPGA 82 I/O 144EQFP



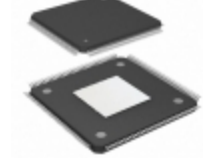
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Intel
IC FPGA 346 I/O 484FBGA



EP3C256C8NES
Altera (Intel)



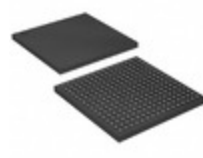
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Intel
IC FPGA 92 I/O 164MBGA



EP3C25E144I7N
Intel
IC FPGA 82 I/O 144EQFP



EP3C16F484I8N
Altera (Intel)



EP3C16U256C8N
Intel
IC FPGA 168 I/O 256UBGA

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.

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+00852 9146 4856
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info@allelco.com

Certifications & Memberships



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