

Image may be representation.
See specifications for product details.



EP3C16E144I7N

Manufacturer Part Number	EP3C16E144I7N
Manufacturer	Intel
Allelco Part Number	32D-EP3C16E144I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 84 I/O 144EQFP
Package	144-LQFP Exposed Pad
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

EP3C16E144I7N - Intel.New Original in Stock. Download Linear Technology EP3C16E144I7N datasheet/specifications on AllelcoElec.com.
Request a quote for EP3C16E144I7N, please send us email: info@allelco.com

Specifications

EP3C16E144I7N Tech Specifications
EP3C16E144I7N - 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	15408
Total RAM Bits	516096	Number of LABs/CLBs	963
Supplier Device Package	144-EQFP (20x20)	Number of I/O	84
Series	Cyclone® III	Mounting Type	Surface Mount
Package / Case	144-LQFP Exposed Pad	Base Product Number	EP3C16
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP3C16E144I7N

Product Attribute				
Part Number	EP3C16E144I7N	EP3C120F780C8N	EP3C16E144A7N	EP3C16F256C8
Manufacturer	Intel	Intel	Intel	Intel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	15408	119088	15408	15408
Number of I/O	84	531	84	168
Series	Cyclone® III	Cyclone® III	Cyclone® III	Cyclone® III
Package / Case	144-LQFP Exposed Pad	780-BGA	144-LQFP Exposed Pad	256-LBGA
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Base Product Number	EP3C16	EP3C120	EP3C16	EP3C16
Total RAM Bits	516096	3981312	516096	516096
Number of LABs/CLBs	963	7443	963	963
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)	0°C ~ 85°C (TJ)
Supplier Device Package	144-EQFP (20x20)	780-FBGA (29x29)	144-EQFP (20x20)	256-FBGA (17x17)

EP3C16E144I7N Datasheet PDF

Download EP3C16E144I7N pdf datasheets and Intel documentation for EP3C16E144I7N - 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](#)
- [Appearance Update 30/Mar/2015.pdf](#)

PCN Packaging

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

HTML Datasheet


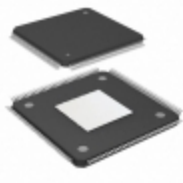
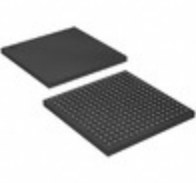

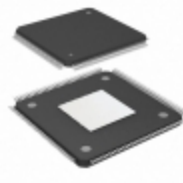
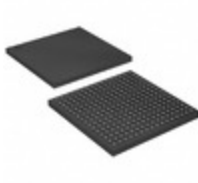

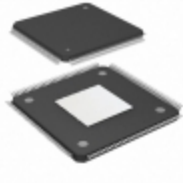

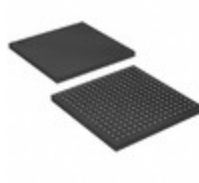
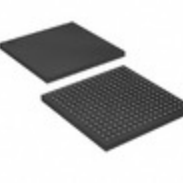
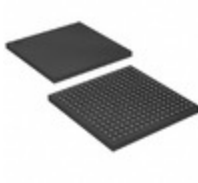

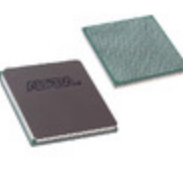
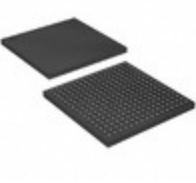
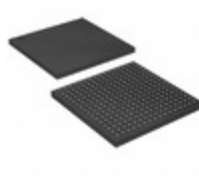


- [Cyclone III Device Handbook Vol1.pdf](#)

PCN Assembly/Origin

- [Mult Dev Assembly/BOM Rev 13/Mar/2020.pdf](#)

Customers Also Interested in

Recommended Products

					
EP3C120F780C8N	EP3C16E144A7N	EP3C16F256C8	EP3C120F780I6N	EP3C16E144C7N	EP3C16F256I7
Intel IC FPGA 531 I/O 780FBGA	Intel IC FPGA 84 I/O 144EQFP	Intel IC FPGA 168 I/O 256FBGA	Altera (Intel)	Intel IC FPGA 84 I/O 144EQFP	Intel IC FPGA 168 I/O 256FBGA
					
EP3C16F256I7	EP3C16E144C8N	EP3C120F780C8NAE	EP3C16F256C6N	EP3C16F256C7N	EP3C16F256A7N
Altera (Intel)	Intel IC FPGA 84 I/O 144EQFP	Altera (Intel)	Intel IC FPGA 168 I/O 256FBGA	Intel IC FPGA 168 I/O 256FBGA	Intel IC FPGA 168 I/O 256FBGA
					
EP3C120F780I8N	EP3C120F780C8	EP3C16F256C8N	EP3C16F256I7N	EP3C120F780I7N	EP3C120F780I7
NO PICTURE	Intel IC FPGA 531 I/O 780FBGA	Intel IC FPGA 168 I/O 256FBGA	Intel IC FPGA 168 I/O 256FBGA	Intel IC FPGA 531 I/O 780FBGA	Intel IC FPGA 531 I/O 780FBGA

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.

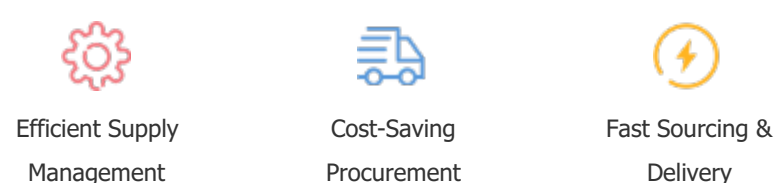
Payment Support

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 -



Contact us if you have any questions.



Certifications & Memberships



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