

Image may be representation.  
See specifications for product details.



## EP4CE15M8I7N

Manufacturer Part Number	<b>EP4CE15M8I7N</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP4CE15M8I7N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 89 I/O 164MBGA
Package	164-TFBGA
Data sheet	<a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cyclone IV Device Datasheet.pdf</a> <a href="#">Cyclone IV Device Handbook.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

EP4CE15M8I7N - Intel.New Original in Stock. Download Linear Technology EP4CE15M8I7N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4CE15M8I7N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP4CE15M8I7N Tech Specifications  
EP4CE15M8I7N - 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	164-MBGA (8x8)	Number of I/O	89
Series	Cyclone® IV E	Mounting Type	Surface Mount
Package / Case	164-TFBGA	Base Product Number	EP4CE15
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CE15M8I7N

Product Attribute				
Part Number	EP4CE15M8I7N	EP4CE15F23C7N	EP4CE15F17C6N	EP4CE15F23A7N
Manufacturer	Intel	Intel	Intel	Intel
Supplier Device Package	164-MBGA (8x8)	484-FBGA (23x23)	256-FBGA (17x17)	484-FBGA (23x23)
Number of I/O	89	343	165	343
Number of Logic Elements/Cells	15408	15408	15408	15408
Total RAM Bits	516096	516096	516096	516096
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of LABs/CLBs	963	963	963	963
Package / Case	164-TFBGA	484-BGA	256-LBGA	484-BGA
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V	1.15V ~ 1.25V
Series	Cyclone® IV E	Cyclone® IV E	Cyclone® IV E	Cyclone® IV E
Base Product Number	EP4CE15	EP4CE15	EP4CE15	EP4CE15

### EP4CE15M8I7N Datasheet PDF

Download EP4CE15M8I7N pdf datasheets and Intel documentation for EP4CE15M8I7N - Intel.

#### Datasheets

Virtual JTAG Megafuntion Guide.pdf

Cyclone IV Device Datasheet.pdf

Cyclone IV Device Handbook.pdf

#### PCN Packaging

Mult Dev Label CHG 24/Jan/2020.pdf

Mult Dev Label Chgs 24/Feb/2020.pdf

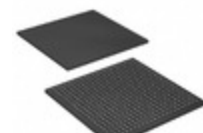
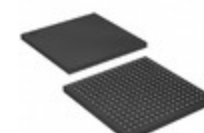
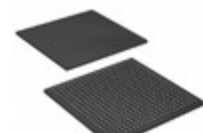
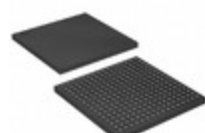
#### PCN Design/Specification

Quartus SW/Web Chgs 23/Sep/2021.pdf

Mult Dev Software Chgs 3/Jun/2021.pdf

### Customers Also Interested in

#### Recommended Products



**EP4CE15F23C7N**  
Intel  
IC FPGA 343 I/O 484FBGA

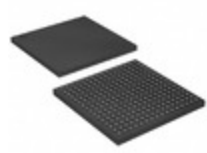
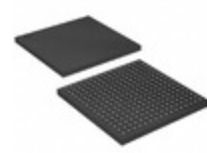
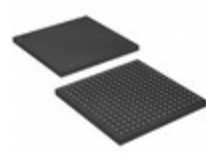
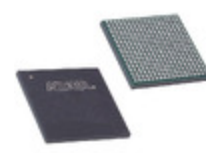
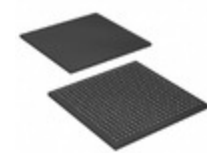
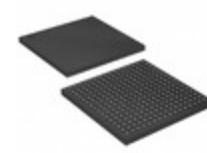
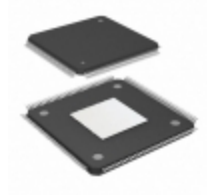
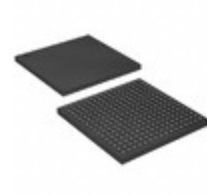
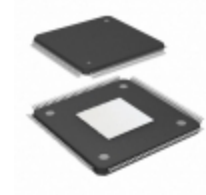
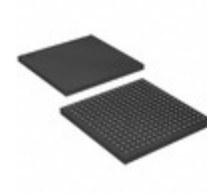
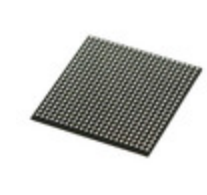
**EP4CE30F19A7NG**  
Altera (Intel)

**EP4CE15F17C6N**  
Intel  
IC FPGA 165 I/O 256FBGA

**EP4CE15F23A7N**  
Intel  
IC FPGA 343 I/O 484FBGA

**EP4CE22F17C8N**  
Intel  
IC FPGA 153 I/O 256FBGA

**EP4CE15F23C9LN**  
Intel  
IC FPGA 343 I/O 484FBGA

**EP4CE22F17I7N**Intel  
IC FPGA 153 I/O 256FBGA**EP4CE15U14I7N**Intel  
IC FPGA 165 I/O 256UBGA**EP4CE15F17C8N**Intel  
IC FPGA 165 I/O 256FBGA**EP4CE30F19A7N**Intel  
IC FPGA 193 I/O 324FBGA**EP4CE15F23I7N**Intel  
IC FPGA 343 I/O 484FBGA**EP4CE15M9C7N**Intel  
IC FPGA 165 I/O 256MBGA**EP4CE22E22C8N**Intel  
IC FPGA 79 I/O 144EQFP**EP4CE15F17I7N**Intel  
IC FPGA 165 I/O 256FBGA**EP4CE15F23C8N**Intel  
IC FPGA 343 I/O 484FBGA**EP4CE22E22I7N**Intel  
IC FPGA 79 I/O 144EQFP**EP4CE15F17C7N**Intel  
IC FPGA 165 I/O 256FBGA**EP4CE15F23C6N**Intel  
IC FPGA 343 I/O 484FBGA

## 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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