

Image may be representation.
See specifications for product details.



EP4CE15F17C8N

Manufacturer Part Number	EP4CE15F17C8N
Manufacturer	Intel
Allelco Part Number	32D-EP4CE15F17C8N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 165 I/O 256FBGA
Package	256-LBGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone IV Device Datasheet.pdf Cyclone IV Device Handbook.pdf
RoHs Status	RoHS Compliant

Get a Quote

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Specifications

EP4CE15F17C8N Tech Specifications
EP4CE15F17C8N - 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	165
Series	Cyclone® IV E	Mounting Type	Surface Mount
Package / Case	256-LBGA	Base Product Number	EP4CE15
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CE15F17C8N

Product Attribute				
Part Number	EP4CE15F17C8N	EP4CE15E22C8N	EP4CE15M8I7N	EP4CE15F17I7N
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	165	81	89	165
Operating Temperature	0°C ~ 85°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
Package	Tray	Tray	Tray	Tray
Base Product Number	EP4CE15	EP4CE15	EP4CE15	EP4CE15
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Package / Case	256-LBGA	144-LQFP Exposed Pad	164-TFBGA	256-LBGA
Number of Logic Elements/Cells	15408	15408	15408	15408
Supplier Device Package	256-FBGA (17x17)	144-EQFP (20x20)	164-MBGA (8x8)	256-FBGA (17x17)
Total RAM Bits	516096	516096	516096	516096

EP4CE15F17C8N Datasheet PDF

Download EP4CE15F17C8N pdf datasheets and Intel documentation for EP4CE15F17C8N - 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

Errata

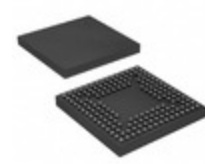
Cyclone IV Device Family Errata.pdf

Customers Also Interested in

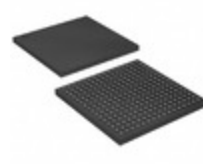
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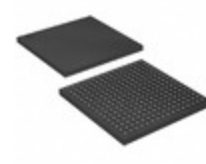
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Intel
IC FPGA 81 I/O 144EQFP



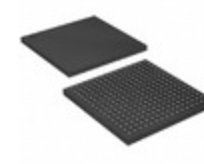
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Intel
IC FPGA 89 I/O 164MBGA



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Intel
IC FPGA 165 I/O 256FBGA



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Intel
IC FPGA 165 I/O 256FBGA



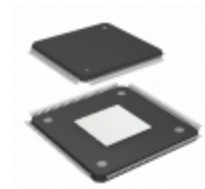
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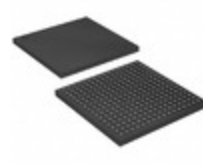
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Intel
IC FPGA 343 I/O 484FBGA



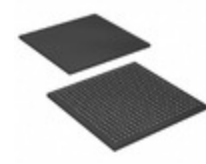
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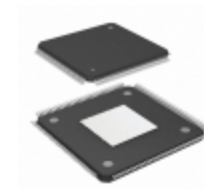
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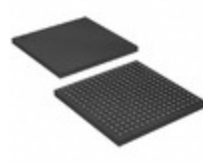
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Intel
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EP4CE15F23C9LN
Intel
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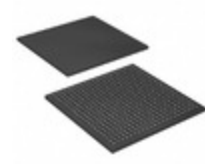
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EP4CE15U14I7N
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IC FPGA 165 I/O 256UBGA



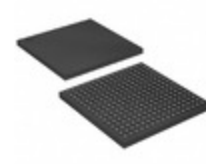
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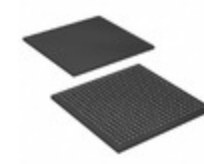
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Intel
IC FPGA 343 I/O 484FBGA



EP4CE115F29C8N
Intel
IC FPGA 528 I/O 780FBGA



EP4CE15F17C6N
Intel
IC FPGA 165 I/O 256FBGA



EP4CE15F23I7N
Intel
IC FPGA 343 I/O 484FBGA



EP4CE115F29I7N
Intel
IC FPGA 528 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.

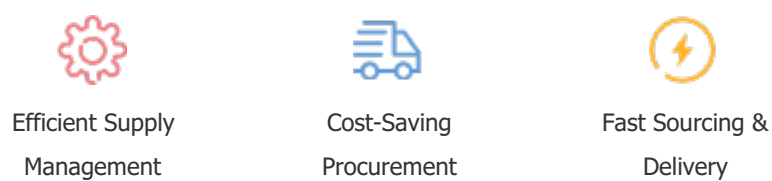
Contact us if you have any questions.

Payment Support

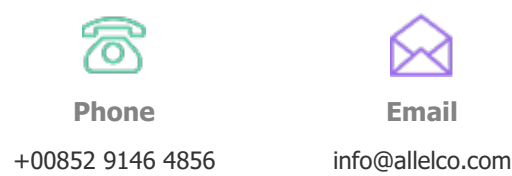
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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