

Image may be representation.
See specifications for product details.



EP4CE15E22I7N

Manufacturer Part Number	EP4CE15E22I7N
Manufacturer	Intel
Allelco Part Number	32D-EP4CE15E22I7N
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 81 I/O 144EQFP
Package	144-LQFP Exposed Pad
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone IV Device Datasheet.pdf Cyclone IV Device Handbook.pdf
RoHs Status	RoHS Compliant

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Specifications

EP4CE15E22I7N Tech Specifications
EP4CE15E22I7N - 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	81
Series	Cyclone® IV E	Mounting Type	Surface Mount
Package / Case	144-LQFP Exposed Pad	Base Product Number	EP4CE15
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CE15E22I7N

Product Attribute				
Part Number	EP4CE15E22I7N	EP4CE15F17C7N	EP4CE115F23I7N	EP4CE115F23C7N
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	EP4CE15	EP4CE15	EP4CE115	EP4CE115
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
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
Package / Case	144-LQFP Exposed Pad	256-LBGA	484-BGA	484-BGA
Total RAM Bits	516096	516096	3981312	3981312
Number of I/O	81	165	280	280
Number of Logic Elements/Cells	15408	15408	114480	114480
Package	Tray	Tray	Tray	Tray
Supplier Device Package	144-EQFP (20x20)	256-FBGA (17x17)	484-FBGA (23x23)	484-FBGA (23x23)
Series	Cyclone® IV E	Cyclone® IV E	Cyclone® IV E	Cyclone® IV E
Number of LABs/CLBs	963	963	7155	7155

EP4CE15E22I7N Datasheet PDF

Download EP4CE15E22I7N pdf datasheets and Intel documentation for EP4CE15E22I7N - Intel.

Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone IV Device Datasheet.pdf](#)
- [Cyclone IV Device Handbook.pdf](#)

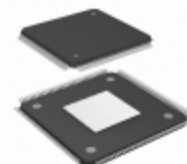
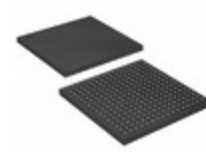
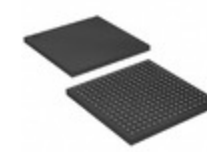
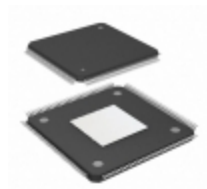
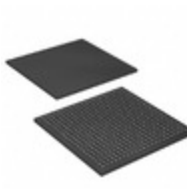
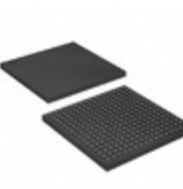
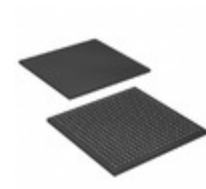
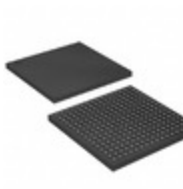
Errata

- [2.73KHz.pdf](#)

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Recommended Products

EP4CE15F17C7N	EP4CE115F23I7N	EP4CE115F23C7N	EP4CE15F23C8N	EP4CE115F29I7N	EP4CE15F23A7N
Intel	Intel	Intel	Intel	Intel	Intel
IC FPGA 165 I/O 256FBGA	IC FPGA 280 I/O 484FBGA	IC FPGA 280 I/O 484FBGA	IC FPGA 343 I/O 484FBGA	IC FPGA 528 I/O 780FBGA	IC FPGA 343 I/O 484FBGA

**EP4CE115F29C7N**Intel
IC FPGA 528 I/O 780FBGA**EP4CE15E22C8N**Intel
IC FPGA 81 I/O 144EQFP**EP4CE15F23C7N**Intel
IC FPGA 343 I/O 484FBGA**EP4CE15F17A7N**Intel
IC FPGA 165 I/O 256FBGA**EP4CE15F23C6N**Intel
IC FPGA 343 I/O 484FBGA**EP4CE15F17C6N**Intel
IC FPGA 165 I/O 256FBGA**EP4CE15E22C9LN**Intel
IC FPGA 81 I/O 144EQFP**EP4CE115F23C8N**Intel
IC FPGA 280 I/O 484FBGA**EP4CE15F17I7N**Intel
IC FPGA 165 I/O 256FBGA**EP4CE115F23I8LN**Intel
IC FPGA 280 I/O 484FBGA**EP4CE15F17C8N**Intel
IC FPGA 165 I/O 256FBGA**EP4CE115F29C8N**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.




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