



Image may be representation.  
See specifications for product details.



## EP4CGX150DF31C8N

Manufacturer Part Number **EP4CGX150DF31C8N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4CGX150DF31C8N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 475 I/O 896FBGA**

Package **896-BGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[Cyclone IV Device Datasheet.pdf](#)

[Cyclone IV Device Handbook.pdf](#)

RoHs Status **RoHS Compliant**

**Get a Quote**

EP4CGX150DF31C8N - Intel.New Original in Stock. Download Linear Technology EP4CGX150DF31C8N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4CGX150DF31C8N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4CGX150DF31C8N Tech Specifications

EP4CGX150DF31C8N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.16V ~ 1.24V	Number of Logic Elements/Cells	149760
Total RAM Bits	6635520	Number of LABs/CLBs	9360
Supplier Device Package	896-FBGA (31x31)	Number of I/O	475
Series	Cyclone® IV GX	Mounting Type	Surface Mount
Package / Case	896-BGA	Base Product Number	EP4CGX150
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CGX150DF31C8N

Product Attribute				
Part Number	EP4CGX150DF31C8N	EP4CGX15BN11I7N	EP4CGX15BF14I7N	EP4CGX150DF27I7N
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	896-BGA	148-WFQFN Dual Rows, Exposed Pad	169-LBGA	672-BGA
Supplier Device Package	896-FBGA (31x31)	148-QFN (11x11)	169-FBGA (14x14)	672-FBGA (27x27)
Total RAM Bits	6635520	552960	552960	6635520
Number of I/O	475	72	72	393
Base Product Number	EP4CGX150	EP4CGX15	EP4CGX15	EP4CGX150
Package	Tray	Tray	Tray	Tray
Number of LABs/CLBs	9360	900	900	9360
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Cyclone® IV GX	Cyclone® IV GX	Cyclone® IV GX	Cyclone® IV GX
Voltage - Supply	1.16V ~ 1.24V	1.16V ~ 1.24V	1.16V ~ 1.24V	1.16V ~ 1.24V
Number of Logic Elements/Cells	149760	14400	14400	149760

## EP4CGX150DF31C8N Datasheet PDF

Download EP4CGX150DF31C8N pdf datasheets and Intel documentation for EP4CGX150DF31C8N - Intel.

### Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[Cyclone IV Device Datasheet.pdf](#)



[Cyclone IV Device Handbook.pdf](#)

### Errata



[2.73KHz.pdf](#)

## Customers Also Interested in

### Recommended Products



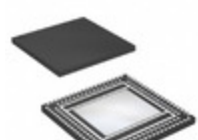
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Altera (Intel)



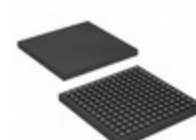
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Altera (Intel)



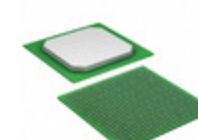
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Intel  
IC FPGA 72 I/O 148QFN



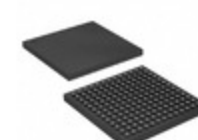
**EP4CGX15BF14I7N**

Intel  
IC FPGA 72 I/O 169FBGA



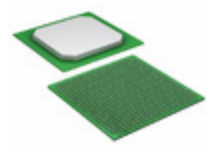
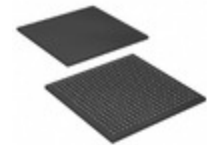
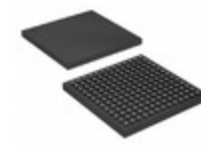
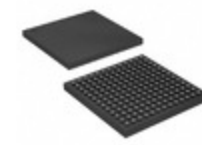
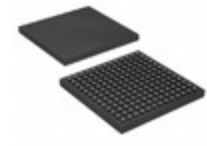
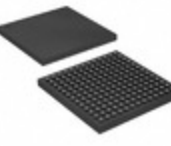
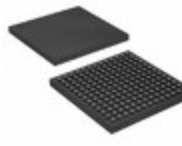
**EP4CGX150DF27I7N**

Intel  
IC FPGA 393 I/O 672FBGA



**EP4CGX15BF14A7N**

Intel  
IC FPGA 72 I/O 169FBGA

**EP4CGX150DF27C7N**Intel  
IC FPGA 393 I/O 672FBGA**EP4CGX150CF23I7N**Intel  
IC FPGA 270 I/O 484FBGA**EP4CGX150DF31C7N**Intel  
IC FPGA 475 I/O 896FBGA**EP4CGX150CF23C8N**Intel  
IC FPGA 270 I/O 484FBGA**EP4CGX15BF14C8N**Intel  
IC FPGA 72 I/O 169FBGA**EP4CGX22BF14C6N**Intel  
IC FPGA 72 I/O 169FBGA**EP4CGX150DF31I7N**Intel  
IC FPGA 475 I/O 896FBGA**EP4CGX15BF14C6N**Intel  
IC FPGA 72 I/O 169FBGA**EP4CGX22BF14C8N**Intel  
IC FPGA 72 I/O 169FBGA**EP4CGX15BF14C7N**Intel  
IC FPGA 72 I/O 169FBGA**EP4CGX110DF31C8N**Intel  
IC FPGA 475 I/O 896FBGA**EP4CGX110DF31I7N**Intel  
IC FPGA 475 I/O 896FBGA

## 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  
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 Email  
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### Certifications & Memberships



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