

Image may be representation.
See specifications for product details.



EP4CGX150DF31I7N

Manufacturer Part Number **EP4CGX150DF31I7N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4CGX150DF31I7N**

ECAD Model PCB Symbol, Footprint & 3D Model

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

EP4CGX150DF31I7N - Intel.New Original in Stock. Download Linear Technology EP4CGX150DF31I7N datasheet/specifications on AllelcoElec.com.
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Specifications

EP4CGX150DF31I7N Tech Specifications
EP4CGX150DF31I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.16V ~ 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 EP4CGX150DF31I7N

Product Attribute				
Part Number	EP4CGX150DF31I7N	EP4CGX150CF23C8N	EP4CGX110DF31I7N	EP4CGX150DF27I7N
Manufacturer	Intel	Intel	Intel	Intel
Package	Tray	Tray	Tray	Tray
Total RAM Bits	6635520	6635520	5621760	6635520
Package / Case	896-BGA	484-BGA	896-BGA	672-BGA
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Voltage - Supply	1.16V ~ 1.24V	1.16V ~ 1.24V	1.16V ~ 1.24V	1.16V ~ 1.24V
Number of Logic Elements/Cells	149760	149760	109424	149760
Number of LABs/CLBs	9360	9360	6839	9360
Base Product Number	EP4CGX150	EP4CGX150	EP4CGX110	EP4CGX150
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Cyclone® IV GX	Cyclone® IV GX	Cyclone® IV GX	Cyclone® IV GX
Number of I/O	475	270	475	393
Supplier Device Package	896-FBGA (31x31)	484-FBGA (23x23)	896-FBGA (31x31)	672-FBGA (27x27)

EP4CGX150DF31I7N Datasheet PDF

Download EP4CGX150DF31I7N pdf datasheets and Intel documentation for EP4CGX150DF31I7N - 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](#)



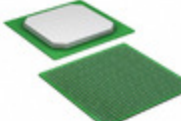
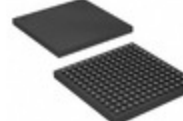
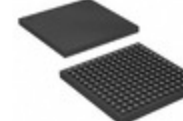
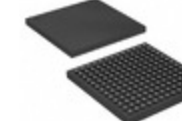
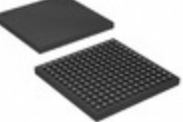
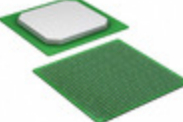


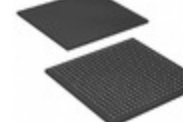
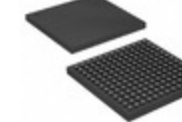
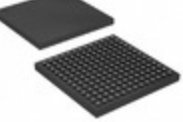

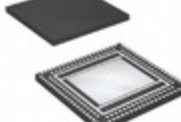
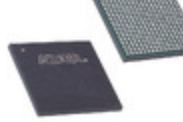

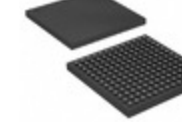
[Mult Dev Software Chgs 3/Jun/2021.pdf](#)

Errata

[Cyclone IV Device Family Errata.pdf](#)

Customers Also Interested in

Recommended Products

					
EP4CGX150CF23C8N	EP4CGX110DF31I7N	EP4CGX150DF27I7N	EP4CGX15BF14C6N	EP4CGX15BF14A7N	EP4CGX15BF14C8N
Intel IC FPGA 270 I/O 484FBGA	Intel IC FPGA 475 I/O 896FBGA	Intel IC FPGA 393 I/O 672FBGA	Intel IC FPGA 72 I/O 169FBGA	Intel IC FPGA 72 I/O 169FBGA	Intel IC FPGA 72 I/O 169FBGA
					
EP4CGX22BF14C8N	EP4CGX150DF27C7N	EP4CGX150DF27I7NAF	EP4CGX150DF31C8N	EP4CGX150CF23I7N	EP4CGX22BF14C6N
Intel IC FPGA 72 I/O 169FBGA	Intel IC FPGA 393 I/O 672FBGA	Altera (Intel)	Intel IC FPGA 475 I/O 896FBGA	Intel IC FPGA 270 I/O 484FBGA	Intel IC FPGA 72 I/O 169FBGA
					
EP4CGX15BF14C7N	EP4CGX150DF31C7N	EP4CGX15BN11I7N	EP4CGX22CF19C6N	EP4CGX150DF27I7NAE	EP4CGX15BF14I7N
Intel IC FPGA 72 I/O 169FBGA	Intel IC FPGA 475 I/O 896FBGA	Intel IC FPGA 72 I/O 148QFN	Intel IC FPGA 150 I/O 324FBGA	Altera (Intel)	Intel IC FPGA 72 I/O 169FBGA

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,
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