

Image may be representation.  
See specifications for product details.



## EP4CGX75DF27C7N

Manufacturer Part Number **EP4CGX75DF27C7N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4CGX75DF27C7N**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC FPGA 310 I/O 672FBGA**

Package **672-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](#)

EP4CGX75DF27C7N - Intel.New Original in Stock. Download Linear Technology EP4CGX75DF27C7N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4CGX75DF27C7N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4CGX75DF27C7N Tech Specifications

EP4CGX75DF27C7N - 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	73920
Total RAM Bits	4257792	Number of LABs/CLBs	4620
Supplier Device Package	672-FBGA (27x27)	Number of I/O	310
Series	Cyclone® IV GX	Mounting Type	Surface Mount
Package / Case	672-BGA	Base Product Number	EP4CGX75
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CGX75DF27C7N

Product Attribute				
Part Number	EP4CGX75DF27C7N	EP4S100G2F40I1	EP4S100G3F45I2N	EP4S100G5F45I1
Manufacturer	Intel	Intel	Intel	Intel
Number of Logic Elements/Cells	73920	228000	291200	531200
Base Product Number	EP4CGX75	EP4S100G2	EP4S100G3	EP4S100G5
Supplier Device Package	672-FBGA (27x27)	1517-FBGA (40x40)	1932-FBGA, FC (45x45)	1932-FBGA, FC (45x45)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	1.16V ~ 1.24V	0.92V ~ 0.98V	0.92V ~ 0.98V	0.92V ~ 0.98V
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)
Package / Case	672-BGA	1517-BBGA, FCBGA	1932-BBGA, FCBGA	1932-BBGA, FCBGA
Number of I/O	310	654	781	781
Package	Tray	Tray	Tray	Tray
Series	Cyclone® IV GX	STRATIX® IV GT	STRATIX® IV GT	STRATIX® IV GT
Number of LABs/CLBs	4620	9120	11648	21248
Total RAM Bits	4257792	17544192	17661952	28033024

## EP4CGX75DF27C7N Datasheet PDF

Download EP4CGX75DF27C7N pdf datasheets and Intel documentation for EP4CGX75DF27C7N - 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](#)

### PCN Assembly/Origin



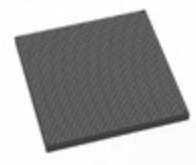
[Cyclone IV Assembly Site Add 29/Apr/2016.pdf](#)

## Customers Also Interested in

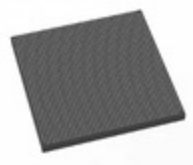
## Recommended Products



**EP4S100G2F40I1**  
Intel  
IC FPGA 654 I/O 1517FBGA



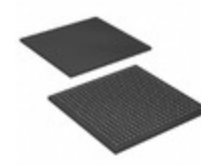
**EP4S100G3F45I2N**  
Intel  
IC FPGA 781 I/O 1932FBGA



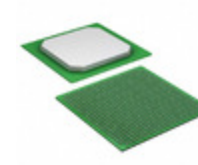
**EP4S100G5F45I1**  
Intel  
IC FPGA 781 I/O 1932FBGA



**EP4CGX50CF23I7N**  
Intel  
IC FPGA 290 I/O 484FBGA



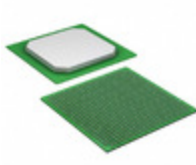
**EP4CGX75CF23C8N**  
Intel  
IC FPGA 290 I/O 484FBGA



**EP4CGX75DF27C6N**  
Intel  
IC FPGA 310 I/O 672FBGA



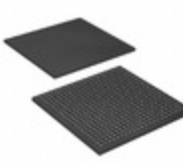
**EP4S100G2F40I2**  
Intel  
IC FPGA 654 I/O 1517FBGA



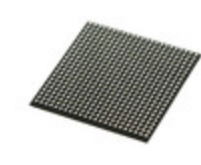
**EP4CGX75DF27I7N**  
Intel  
IC FPGA 310 I/O 672FBGA



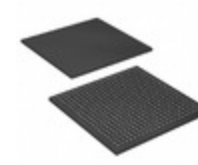
**EP4S100G2F40I3N**  
Intel  
IC FPGA 654 I/O 1517FBGA



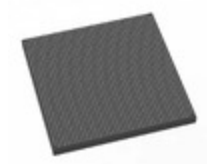
**EP4CGX75CF23I7N**  
Intel  
IC FPGA 290 I/O 484FBGA



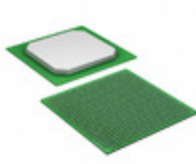
**EP4CGX50CF23C8N**  
Intel  
IC FPGA 290 I/O 484FBGA



**EP4CGX50CF23C6N**  
Intel  
IC FPGA 290 I/O 484FBGA



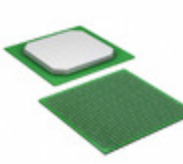
**EP4S100G5F45I1N**  
Intel  
IC FPGA 781 I/O 1932FBGA



**EP4CGX50DF27C8N**  
Intel  
IC FPGA 310 I/O 672FBGA



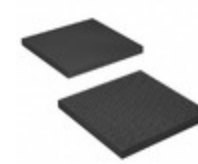
**EP4S100G2F40I1N**  
Intel  
IC FPGA 654 I/O 1517FBGA



**EP4CGX50DF27I7N**  
Intel  
IC FPGA 310 I/O 672FBGA



**EP4CGX50CF23I7**  
Intel  
IC FPGA 290 I/O 484FBGA



**EP4S100G2F40I2N**  
Intel  
IC FPGA 654 I/O 1517FBGA

## 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



View More