

Image may be representation.
See specifications for product details.



EP1C4F324C8N

Manufacturer Part Number	EP1C4F324C8N
Manufacturer	Intel
Allelco Part Number	32D-EP1C4F324C8N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 249 I/O 324FBGA
Package	324-BGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf Cyclone FPGA Family.pdf

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EP1C4F324C8N - Intel.New Original in Stock. Download Linear Technology EP1C4F324C8N datasheet/specifications on AllelcoElec.com.
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Specifications

EP1C4F324C8N Tech Specifications

EP1C4F324C8N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	Number of Logic Elements/Cells	4000
Total RAM Bits	78336	Number of LABs/CLBs	400
Supplier Device Package	324-FBGA (19x19)	Number of I/O	249
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	324-BGA	Base Product Number	EP1C4
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C4F324C8N

Product Attribute				
Part Number	EP1C4F324C8N	EP1C4F400C8	EP1C4F324C7	EP1C4F400C8N
Manufacturer	Intel	Intel	Intel	Intel
Supplier Device Package	324-FBGA (19x19)	400-FBGA (21x21)	324-FBGA (19x19)	400-FBGA (21x21)
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Number of Logic Elements/Cells	4000	4000	4000	4000
Total RAM Bits	78336	78336	78336	78336
Number of I/O	249	301	249	301
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	324-BGA	400-BGA	324-BGA	400-BGA
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Number of LABs/CLBs	400	400	400	400
Base Product Number	EP1C4	EP1C4	EP1C4	EP1C4

EP1C4F324C8N Datasheet PDF

Download EP1C4F324C8N pdf datasheets and Intel documentation for EP1C4F324C8N - Intel.

Datasheets

[Virtual JTAG Megafuntion Guide.pdf](#)

[Cyclone FPGA Family.pdf](#)

PCN Packaging

[All Dev Pkg Chg 1/Aug/2018.pdf](#)

[Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

PCN Design/Specification

[Mult Series Software Chgs 26/Mar/2020.pdf](#)

[Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

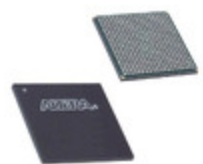
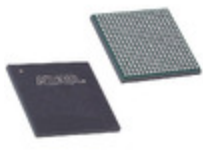
PCN Obsolescence/ EOL

[EPC2/Cyclone/Stratix GX 13/Jun/2018.pdf](#)

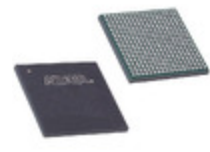
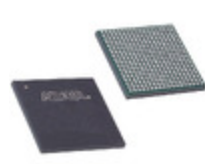
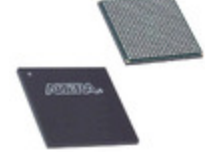
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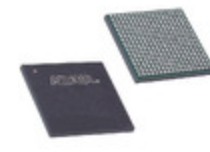
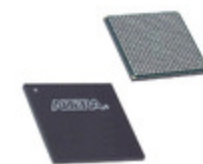
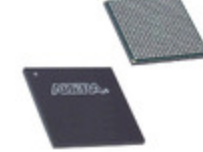
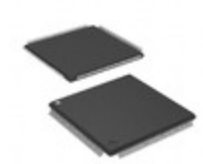
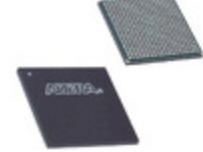


EP1C4F400C8Intel
IC FPGA 301 I/O 400FBGA**EP1C4F400C6**Intel
IC FPGA 301 I/O 400FBGA**EP1C4F324C7N**Intel
IC FPGA 249 I/O 324FBGA**EP1C4F324C7**Intel
IC FPGA 249 I/O 324FBGA**EP1C4F324**

Altera (Intel)

**EP1C4F324C6N**Intel
IC FPGA 249 I/O 324FBGA**EP1C4F400C8N**Intel
IC FPGA 301 I/O 400FBGA**EP1C4F324C6**Intel
IC FPGA 249 I/O 324FBGA**EP1C4F400C7**Intel
IC FPGA 301 I/O 400FBGA**EP1C4F324I7N**Intel
IC FPGA 249 I/O 324FBGA**EP1C3T144I8N**

Altera (Intel)

**EP1C4F324C8**Intel
IC FPGA 249 I/O 324FBGA**EP1C3T144I7N**Intel
IC FPGA 104 I/O 144TQFP**EP1C4F400I7**Intel
IC FPGA 301 I/O 400FBGA**EP1C4F400C6N**Intel
IC FPGA 301 I/O 400FBGA**EP1C4F324I7**Intel
IC FPGA 249 I/O 324FBGA**EP1C3T144I7**Intel
IC FPGA 104 I/O 144TQFP**EP1C4F400C7N**Intel
IC FPGA 301 I/O 400FBGA

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.



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Email

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Certifications & Memberships



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