

Image may be representation.
See specifications for product details.



EP1C20F400C8N

Manufacturer Part Number	EP1C20F400C8N
Manufacturer	Intel
Allelco Part Number	32D-EP1C20F400C8N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 301 I/O 400FBGA
Package	400-BGA
Data sheet	Virtual JTAG Megafuntion Guide.pdf 400-FBGA Pkg Info.pdf Cyclone FPGA Family.pdf

Get a Quote

EP1C20F400C8N - Intel.New Original in Stock. Download Linear Technology EP1C20F400C8N datasheet/specifications on AllelcoElec.com.
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Specifications

EP1C20F400C8N Tech Specifications

EP1C20F400C8N - 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	20060
Total RAM Bits	294912	Number of LABs/CLBs	2006
Supplier Device Package	400-FBGA (21x21)	Number of I/O	301
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	400-BGA	Base Product Number	EP1C20
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C20F400C8N

Product Attribute				
Part Number	EP1C20F400C8N	EP1C20F324I7	EP1C3T100C6N	EP1C3T100C8
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	301	233	65	65
Package / Case	400-BGA	324-BGA	100-TQFP	100-TQFP
Number of Logic Elements/Cells	20060	20060	2910	2910
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Total RAM Bits	294912	294912	59904	59904
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of LABs/CLBs	2006	2006	291	291
Package	Tray	Tray	Tray	Tray
Base Product Number	EP1C20	EP1C20	EP1C3	EP1C3
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Supplier Device Package	400-FBGA (21x21)	324-FBGA (19x19)	100-TQFP (14x14)	100-TQFP (14x14)

EP1C20F400C8N Datasheet PDF

Download EP1C20F400C8N pdf datasheets and Intel documentation for EP1C20F400C8N - Intel.

Datasheets

[Virtual JTAG Megafuntion Guide.pdf](#)

[400-FBGA Pkg Info.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](#)

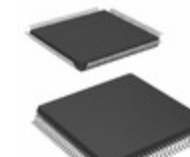
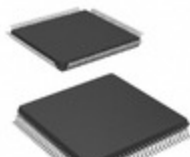
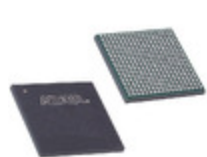
[Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

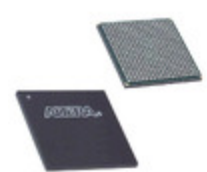
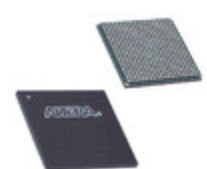
PCN Obsolescence/ EOL

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

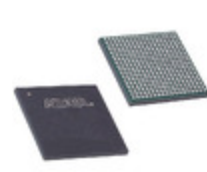
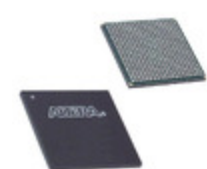
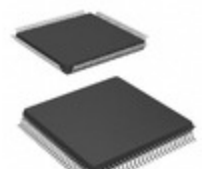
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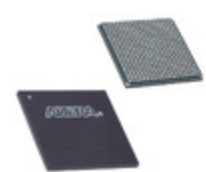
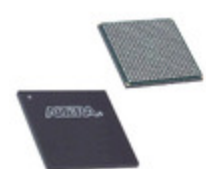


EP1C20F324I7Intel
IC FPGA 233 I/O 324FBGA**EP1C20F400C7N**Intel
IC FPGA 301 I/O 400FBGA**EP1C20F400C6N**Intel
IC FPGA 301 I/O 400FBGA**EP1C20F400C6L**

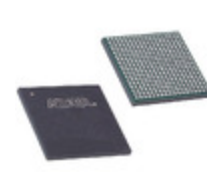
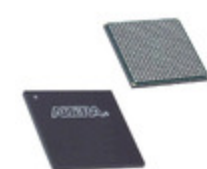
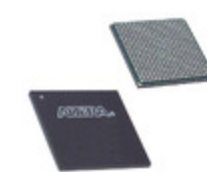
Altera (Intel)

**EP1C20F324I7N**Intel
IC FPGA 233 I/O 324FBGA**EP1C20F400C8**Intel
IC FPGA 301 I/O 400FBGA**EP1C3T100C6N**Intel
IC FPGA 65 I/O 100TQFP**EP1C3T100C7**Intel
IC FPGA 65 I/O 100TQFP**EP1C3T100C7N**Intel
IC FPGA 65 I/O 100TQFP**EP1C20F400I6N**

Altera (Intel)

**EP1C20F400I7N**Intel
IC FPGA 301 I/O 400FBGA**EP1C20F400I7**Intel
IC FPGA 301 I/O 400FBGA**EP1C20F400I6**

Altera (Intel)

**EP1C20F324C8N**Intel
IC FPGA 233 I/O 324FBGA**EP1C20F400C6**Intel
IC FPGA 301 I/O 400FBGA**EP1C3T100C8**Intel
IC FPGA 65 I/O 100TQFP**EP1C20F400C7**Intel
IC FPGA 301 I/O 400FBGA**EP1C3T100C8L**

Altera (Intel)

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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Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



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+00852 9146 4856



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info@allelco.com

Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com