

Image may be representation.  
See specifications for product details.



## EP1C12Q240C8

Manufacturer Part Number	<b>EP1C12Q240C8</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP1C12Q240C8
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC FPGA 173 I/O 240QFP
Package	240-BFQFP
Data sheet	<a href="#">FLEX 10K Embedded.pdf</a> <a href="#">Virtual JTAG Megafuntion Guide.pdf</a> <a href="#">Cyclone FPGA Family.pdf</a>

**Get a Quote**

EP1C12Q240C8 - Intel.New Original in Stock. Download Linear Technology EP1C12Q240C8 datasheet/specifications on AllelcoElec.com.  
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### Specifications

EP1C12Q240C8 Tech Specifications

EP1C12Q240C8 - 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	12060
Total RAM Bits	239616	Number of LABs/CLBs	1206
Supplier Device Package	240-PQFP (32x32)	Number of I/O	173
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	240-BFQFP	Base Product Number	EP1C12
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C12Q240C8

Product Attribute				
Part Number	EP1C12Q240C8	EP1C20F324C6N	EP1C12F324C8N	EP1C12F324I7
Manufacturer	Intel	Intel	Intel	Intel
Package	Tray	Tray	Tray	Tray
Number of I/O	173	233	249	249
Number of LABs/CLBs	1206	2006	1206	1206
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Total RAM Bits	239616	294912	239616	239616
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Base Product Number	EP1C12	EP1C20	EP1C12	EP1C12
Supplier Device Package	240-PQFP (32x32)	324-FBGA (19x19)	324-FBGA (19x19)	324-FBGA (19x19)
Number of Logic Elements/Cells	12060	20060	12060	12060
Package / Case	240-BFQFP	324-BGA	324-BGA	324-BGA

### EP1C12Q240C8 Datasheet PDF

Download EP1C12Q240C8 pdf datasheets and Intel documentation for EP1C12Q240C8 - Intel.

#### Datasheets

- [FLEX 10K Embedded.pdf](#)
- [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](#)

#### PCN Obsolescence/ EOL

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

### Customers Also Interested in

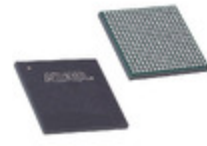
#### Recommended Products



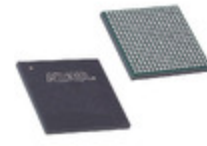
**EP1C20F324C6N**  
Intel  
IC FPGA 233 I/O 324FBGA



**EP1C12F324C8N**  
Intel  
IC FPGA 249 I/O 324FBGA



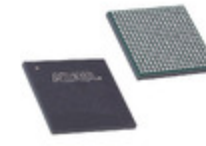
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Intel  
IC FPGA 249 I/O 324FBGA



**EP1C12Q240C6N**  
Intel  
IC FPGA 173 I/O 240QFP



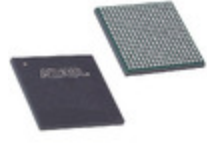
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**EP1C20F324C6**  
Intel  
IC FPGA 233 I/O 324FBGA



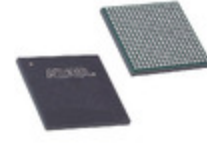
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Intel  
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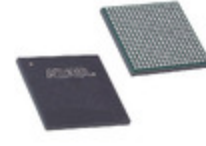
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Intel  
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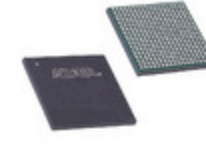
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IC FPGA 249 I/O 324FBGA



**EP1C12Q240C7N**  
Intel  
IC FPGA 173 I/O 240QFP



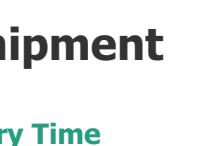
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Intel  
IC FPGA 249 I/O 324FBGA



**EP1C12Q240C6**  
Intel  
IC FPGA 173 I/O 240QFP



**EP1C20F324I7**  
Intel  
IC FPGA 233 I/O 324FBGA



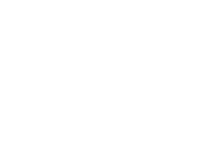
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Intel  
IC FPGA 173 I/O 240QFP



**EP1C12F324C8**  
Intel  
IC FPGA 249 I/O 324FBGA



**EP1C20F324C8**  
Intel  
IC FPGA 233 I/O 324FBGA



**EP1C20F324C7**  
Intel  
IC FPGA 249 I/O 324FBGA



**EP1C12Q240C8N**  
Intel  
IC FPGA 173 I/O 240QFP



## 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



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