

Image may be representation.  
See specifications for product details.



## EP20K100EQC240-2X

Manufacturer Part Number	<b>EP20K100EQC240-2X</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP20K100EQC240-2X
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 183 I/O 240QFP
Package	240-BFQFP
Data sheet	<b>FLEX 10K Embedded.pdf</b> <b>Cylindrical Battery Holders.pdf</b> <b>Virtual JTAG Megafuntion Guide.pdf</b>

**Get a Quote**

EP20K100EQC240-2X - Intel.New Original in Stock. Download Linear Technology EP20K100EQC240-2X datasheet/specifications on AllelcoElec.com.  
Request a quote for EP20K100EQC240-2X, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP20K100EQC240-2X Tech Specifications  
EP20K100EQC240-2X - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.71V ~ 1.89V	Number of Logic Elements/Cells	4160
Total RAM Bits	53248	Number of LABs/CLBs	416
Supplier Device Package	240-PQFP (32x32)	Number of I/O	183
Series	APEX-20KE®	Number of Gates	263000
Package / Case	240-BFQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	EP20K100

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP20K100EQC240-2X

Product Attribute				
Part Number	EP20K100EQC240-2X	<b>EP20K100ETC144-3</b>	<b>EP20K100ETC144-1X</b>	<b>EP20K100EQC240-2N</b>
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	240-BFQFP	144-LQFP	144-LQFP	240-BFQFP
Number of Logic Elements/Cells	4160	4160	4160	4160
Series	APEX-20KE®	APEX-20KE®	APEX-20KE®	APEX-20KE®
Number of LABs/CLBs	416	416	416	416
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Gates	263000	263000	263000	263000
Voltage - Supply	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71V ~ 1.89V	1.71V ~ 1.89V
Base Product Number	EP20K100	EP20K100	EP20K100	EP20K100
Number of I/O	183	92	92	183
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Package	Tray	Tray	Tray	Tray
Supplier Device Package	240-PQFP (32x32)	144-TQFP (20x20)	144-TQFP (20x20)	240-PQFP (32x32)
Total RAM Bits	53248	53248	53248	53248

### EP20K100EQC240-2X Datasheet PDF

Download EP20K100EQC240-2X pdf datasheets and Intel documentation for EP20K100EQC240-2X - Intel.

#### Datasheets

- [FLEX 10K Embedded.pdf](#)
- [Virtual JTAG Megafuntion Guide.pdf](#)

#### PCN Packaging

- [All Dev Pkg Chg 1/Aug/2018.pdf](#)
- [Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

#### PCN Obsolescence/ EOL

- [EOL 01/Dec/2016.pdf](#)
- [EOL 21/Nov/2016.pdf](#)

#### PCN Design/Specification

- [Cylindrical Battery Holders.pdf](#)

#### HTML Datasheet

- [Cylindrical Battery Holders.pdf](#)

### Customers Also Interested in

## Recommended Products

					
<b>EP20K100ETC144-3</b>	<b>EP20K100ETC144-1X</b>	<b>EP20K100EQC240-2N</b>	<b>EP20K100ETC144-2X</b>	<b>EP20K100EQC240-1N</b>	<b>EP20K100EQC240-1X</b>
Intel IC FPGA 92 I/O 144TQFP	Intel IC FPGA 92 I/O 144TQFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 92 I/O 144TQFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 183 I/O 240QFP
					
<b>EP20K100EQC240-1</b>	<b>EP20K100EQI240-2X</b>	<b>EP20K100EQC240-2</b>	<b>EP20K100EFI144-2X</b>	<b>EP20K100EQC208-3</b>	<b>EP20K100EFI324-2X</b>
Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 93 I/O 144FBGA	Intel IC FPGA 151 I/O 208QFP	Intel IC FPGA 246 I/O 324FBGA
					
<b>EP20K100ETC144-2</b>	<b>EP20K100EQC208-2</b>	<b>EP20K100EQC240-3N</b>	<b>EP20K100ETC144-2N</b>	<b>EP20K100EQC240-3</b>	<b>EP20K100EQC208-1</b>
Intel IC FPGA 92 I/O 144TQFP	Intel IC FPGA 151 I/O 208QFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 92 I/O 144TQFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 151 I/O 208QFP

## 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

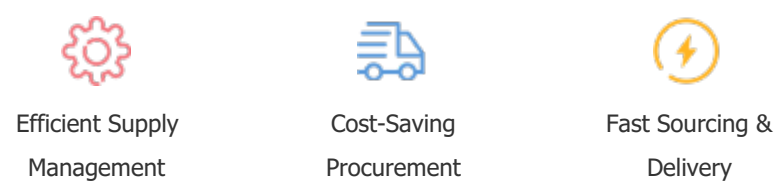
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### 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