

Image may be representation.
See specifications for product details.



EP20K100EFC324-2X

Manufacturer Part Number	EP20K100EFC324-2X
Manufacturer	Intel
Allelco Part Number	32D-EP20K100EFC324-2X
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 246 I/O 324FBGA
Package	324-BGA
Data sheet	APEX 20K Family Datasheet.pdf Virtual JTAG Megafuntion Guide.pdf

Get a Quote

EP20K100EFC324-2X - Intel.New Original in Stock. Download Linear Technology EP20K100EFC324-2X datasheet/specifications on AllelcoElec.com.
Request a quote for EP20K100EFC324-2X, please send us email: info@allelco.com

Specifications

EP20K100EFC324-2X Tech Specifications
EP20K100EFC324-2X - 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	324-FBGA (19x19)	Number of I/O	246
Series	APEX-20KE®	Number of Gates	263000
Package / Case	324-BGA	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 EP20K100EFC324-2X

Product Attribute				
Part Number	EP20K100EFC324-2X	EP20K100EQC208-2	EP20K100EQC208-1	EP20K100EFC144-2N
Manufacturer	Intel	Intel	Intel	Intel
Total RAM Bits	53248	53248	53248	53248
Number of Logic Elements/Cells	4160	4160	4160	4160
Package / Case	324-BGA	208-BFQFP	208-BFQFP	144-BGA
Number of I/O	246	151	151	93
Supplier Device Package	324-FBGA (19x19)	208-PQFP (28x28)	208-PQFP (28x28)	144-FBGA (13x13)
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)	0°C ~ 85°C (TJ)
Package	Tray	Tray	Tray	Tray
Base Product Number	EP20K100	EP20K100	EP20K100	EP20K100
Series	APEX-20KE®	APEX-20KE®	APEX-20KE®	APEX-20KE®
Number of LABs/CLBs	416	416	416	416
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

EP20K100EFC324-2X Datasheet PDF

Download EP20K100EFC324-2X pdf datasheets and Intel documentation for EP20K100EFC324-2X - Intel.

Datasheets

- [APEX 20K Family Datasheet.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

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

Customers Also Interested in

Recommended Products

					
EP20K100EQC208-2	EP20K100EQC208-1	EP20K100EFC144-2N	EP20K100EFC324-1	EP20K100EFC324-1	EP20K100EFC324-3
Intel IC FPGA 151 I/O 208QFP	Intel IC FPGA 151 I/O 208QFP	Intel IC FPGA 93 I/O 144FBGA	Altera IC FPGA 246 I/O 324FBGA	Intel IC FPGA 246 I/O 324FBGA	Intel IC FPGA 246 I/O 324FBGA
					
EP20K100EFC324-1X	EP20K100EQC240-1	EP20K100EFC144-2	EP20K100EFC324-3N	EP20K100EFC324-2	EP20K100EFC144-3
Intel IC FPGA 246 I/O 324FBGA	Intel IC FPGA 183 I/O 240QFP	Altera IC FPGA 93 I/O 144FBGA	Altera (Intel® Programmable Solutions Group) IC FPGA 246 I/O 324FBGA	Intel IC FPGA 246 I/O 324FBGA	Altera IC FPGA 93 I/O 144FBGA
					
EP20K100EFC144-2	EP20K100EFC324-2N	EP20K100EQC208-3	EP20K100EQC240-1X	EP20K100EFI144-2X	EP20K100EFC144-3
Intel IC FPGA 93 I/O 144FBGA	Intel IC FPGA 246 I/O 324FBGA	Intel IC FPGA 151 I/O 208QFP	Intel IC FPGA 183 I/O 240QFP	Intel IC FPGA 93 I/O 144FBGA	Intel IC FPGA 93 I/O 144FBGA

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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 Fast Sourcing & Delivery

Contact us if you have any questions.

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