



Image may be representation.  
See specifications for product details.



## XA3S100E-4TQG144Q

Manufacturer Part Number	<a href="#">XA3S100E-4TQG144Q</a>
Manufacturer	<a href="#">AMD Xilinx</a>
Allelco Part Number	32D-XA3S100E-4TQG144Q
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC FPGA 108 I/O 144TQFP
Package	144-LQFP
Data sheet	<a href="#">XA Spartan-3E Family.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

XA3S100E-4TQG144Q - AMD.New Original in Stock. Download Linear Technology XA3S100E-4TQG144Q datasheet/specifications on AllelcoElec.com.  
Request a quote for XA3S100E-4TQG144Q, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XA3S100E-4TQG144Q Tech Specifications  
XA3S100E-4TQG144Q - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Supply	1.14V ~ 1.26V	Number of Logic Elements/Cells	2160
Total RAM Bits	73728	Number of LABs/CLBs	240
Supplier Device Package	144-TQFP (20x20)	Number of I/O	108
Series	Automotive, AEC-Q100, Spartan®-3E XA	Number of Gates	100000
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XA3S100

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XA3S100E-4TQG144Q

Product Attribute				
Part Number	XA3S100E-4TQG144Q	<a href="#">XA3S100E-4CPG132Q</a>	<a href="#">XA3S1000-4FTG256I</a>	<a href="#">XA3S400-4FGG456I</a>
Manufacturer	AMD	Xilinx Inc.	AMD	AMD
Supplier Device Package	144-TQFP (20x20)	-	256-FTBGA (17x17)	456-FBGA (23x23)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Cells	2160	240	17280	8064
Package	Tray	-	Tray	Tray
Package / Case	144-LQFP	-	256-LBGA	456-BBGA
Total RAM Bits	73728	2160	442368	294912
Number of Gates	100000	-	1000000	400000
Series	Automotive, AEC-Q100, Spartan®-3E XA	Automotive, AEC-Q100, Spartan®-3E XA	Automotive, AEC-Q100, Spartan®-3 XA	Automotive, AEC-Q100, Spartan®-3 XA
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Number of LABs/CLBs	240	-	1920	896
Number of I/O	108	100000	173	264
Voltage - Supply	1.14V ~ 1.26V	-	1.14V ~ 1.26V	1.14V ~ 1.26V
Base Product Number	XA3S100	-	XA3S1000	XA3S400

### XA3S100E-4TQG144Q Datasheet PDF

Download XA3S100E-4TQG144Q pdf datasheets and AMD documentation for XA3S100E-4TQG144Q - AMD.

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

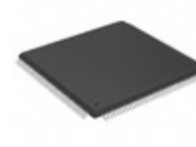
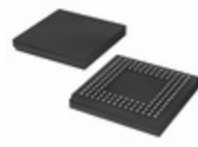
#### HTML Datasheet

[XA Spartan-3E Family.pdf](#)

### Customers Also Interested in

#### Recommended Products

<b>XA3S100E-4CPG132Q</b>	<b>XA3S1000-4FTG256I</b>	<b>XA3S400-4FGG456I</b>	<b>XA3S1000-4FGG456Q</b>	<b>XA3S250E-4TQG144I</b>	<b>XA3S100E-4VQG100Q</b>
Xilinx Inc. IC FPGA 83 I/O 132CSBGA	AMD IC FPGA 173 I/O 256FTBGA	AMD IC FPGA 264 I/O 456FBGA	AMD IC FPGA 333 I/O 456FBGA	Xilinx IC FPGA 108 I/O 144TQFP	AMD IC FPGA 66 I/O 100VQFP



**XA3S200A-4FTG256I**

AMD  
IC FPGA 195 I/O 256FTBGA

**XA3S100E-4CPG132I**

Xilinx  
IC FPGA 83 I/O 132CSBGA

**XA3S400-4PQG208Q**

AMD  
IC FPGA 141 I/O 208QFP

**XA3S200-4TQG144Q**

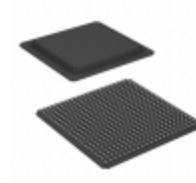
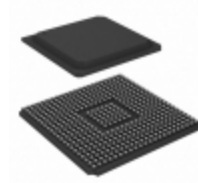
AMD  
IC FPGA 97 I/O 144TQFP

**XA3S250E-4VQG100I**

AMD  
IC FPGA 66 I/O 100VQFP

**XA3S400A-4FTG256I**

AMD  
IC FPGA 195 I/O 256FTBGA



**XA3S200-4PQG208I**

AMD  
IC FPGA 141 I/O 208QFP

**XA3S100E-4TQG144I**

Xilinx Inc.  
IC FPGA 108 I/O 144TQFP

**XA3S1000-4FGG456I**

AMD  
IC FPGA 333 I/O 456FBGA

**XA3S1600E-4FGG484Q**

AMD  
IC FPGA 376 I/O 484FBGA

**XA3S1000-4FTG256Q**

AMD  
IC FPGA 173 I/O 256FTBGA

**XA3S1200E-4FTG256Q**

AMD  
IC FPGA 190 I/O 256FTBGA

## 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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## Certifications & Memberships



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