

Image may be representation.  
See specifications for product details.



## XC3S1600E-4FGG320I

Manufacturer Part Number	<b>XC3S1600E-4FGG320I</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC3S1600E-4FGG320I
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 250 I/O 320FBGA
Package	320-BGA
Data sheet	XC3S1600E-4FGG320I.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

XC3S1600E-4FGG320I - AMD.New Original in Stock. Download Linear Technology XC3S1600E-4FGG320I datasheet/specifications on AllelcoElec.com.  
Request a quote for XC3S1600E-4FGG320I, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC3S1600E-4FGG320I Tech Specifications

XC3S1600E-4FGG320I - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - Supply	1.14V ~ 1.26V	Number of Logic Elements/Cells	33192
Total RAM Bits	663552	Number of LABs/CLBs	3688
Supplier Device Package	320-FBGA (19x19)	Number of I/O	250
Series	Spartan®-3E	Number of Gates	1600000
Package / Case	320-BGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC3S1600

### Parts with Similar Specifications

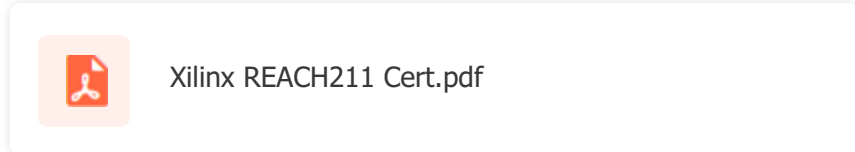
The three parts on the right have similar specifications to AMD XC3S1600E-4FGG320I

Product Attribute				
Part Number	XC3S1600E-4FGG320I	XC3S1600E-5FGG320C	XC3S1600E-4FG484I	XC3S1600E-4FGG400C
Manufacturer	AMD	AMD	AMD	AMD
Package	Tray	Tray	Tray	Tray
Total RAM Bits	663552	663552	663552	663552
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	320-BGA	320-BGA	484-BBGA	400-BGA
Base Product Number	XC3S1600	XC3S1600	XC3S1600	XC3S1600
Number of Gates	1600000	1600000	1600000	1600000
Supplier Device Package	320-FBGA (19x19)	320-FBGA (19x19)	484-FBGA (23x23)	400-FBGA (21x21)
Series	Spartan®-3E	Spartan®-3E	Spartan®-3E	Spartan®-3E
Number of Logic Elements/Cells	33192	33192	33192	33192
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Number of LABs/CLBs	3688	3688	3688	3688
Voltage - Supply	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V
Number of I/O	250	250	376	304

### XC3S1600E-4FGG320I Datasheet PDF

Download XC3S1600E-4FGG320I pdf datasheets and AMD documentation for XC3S1600E-4FGG320I - AMD.

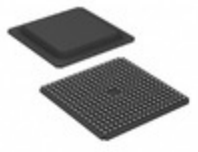
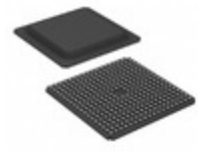
### Environmental Information



### Customers Also Interested in

#### Recommended Products

<b>XC3S1600E-5FGG320C</b>	<b>XC3S1600E-4FG484I</b>	<b>XC3S1500-FGG676C</b>	<b>XC3S1600E-4FG484C-ES</b>	<b>XC3S1600E-4FGG400C</b>	<b>XC3S1500FGG676EGQ</b>
AMD	AMD	AMD Xilinx	AMD Xilinx	AMD	AMD Xilinx
IC FPGA 250 I/O 320FBGA	IC FPGA 376 I/O 484FBGA			IC FPGA 304 I/O 400FBGA	
<b>XC3S1600E-4FGG484C</b>	<b>XC3S1600E-5FGG484C</b>	<b>XC3S1500-FGG676EGQ</b>	<b>XC3S200-4FT256C</b>	<b>XC3S1600E-4FG400C</b>	<b>XC3S200-4FT256I</b>
AMD	AMD	XILINK	AMD	AMD	AMD
IC FPGA 376 I/O 484FBGA	IC FPGA 376 I/O 484FBGA		IC FPGA 173 I/O 256FTBGA	IC FPGA 304 I/O 400FBGA	IC FPGA 173 I/O 256FTBGA

**XC3S1600E-4FG320C**AMD  
IC FPGA 250 I/O 320FBGA**XC3S1600E-4FGG320C**AMD  
IC FPGA 250 I/O 320FBGA**XC3S1500-FGG456EGQ**

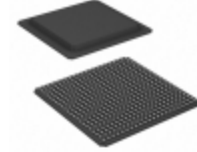
AMD Xilinx

**XC3S1800A-4FGG676C**

AMD Xilinx

**XC3S1500FG676**

AMD Xilinx

**XC3S1600E-4FGG484I**AMD  
IC FPGA 376 I/O 484FBGA

## 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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