

Image may be representation.  
See specifications for product details.

## XC3S1000-5FGG456C

Manufacturer Part Number	<b>XC3S1000-5FGG456C</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC3S1000-5FGG456C
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 333 I/O 456FBGA
Package	456-BBGA
Data sheet	XC3S1000-5FGG456C.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**



XC3S1000-5FGG456C - AMD.New Original in Stock. Download Linear Technology XC3S1000-5FGG456C datasheet/specifications on AllelcoElec.com.  
Request a quote for XC3S1000-5FGG456C, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC3S1000-5FGG456C Tech Specifications  
XC3S1000-5FGG456C - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.14V ~ 1.26V	Number of Logic Elements/Cells	17280
Total RAM Bits	442368	Number of LABs/CLBs	1920
Supplier Device Package	456-FBGA (23x23)	Number of I/O	333
Series	Spartan@-3	Number of Gates	1000000
Package / Case	456-BBGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	XC3S1000

### Parts with Similar Specifications

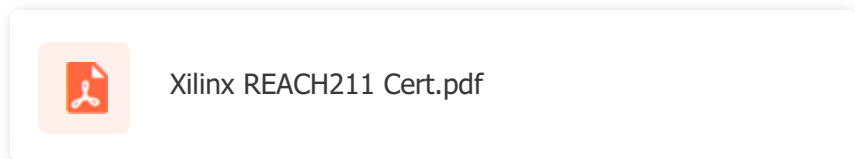
The three parts on the right have similar specifications to AMD XC3S1000-5FGG456C

Product Attribute				
Part Number	XC3S1000-5FGG456C	<a href="#">XC3S1000-4FTG256C</a>	<a href="#">XC3S1000-4FGG676I</a>	<a href="#">XC3S1000-4FGG456I</a>
Manufacturer	AMD	AMD	AMD	AMD
Base Product Number	XC3S1000	XC3S1000	XC3S1000	XC3S1000
Series	Spartan@-3	Spartan@-3	Spartan@-3	Spartan@-3
Supplier Device Package	456-FBGA (23x23)	256-FTBGA (17x17)	676-FBGA (27x27)	456-FBGA (23x23)
Number of Logic Elements/Cells	17280	17280	17280	17280
Package / Case	456-BBGA	256-LBGA	676-BGA	456-BBGA
Number of I/O	333	173	391	333
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Gates	1000000	1000000	1000000	1000000
Number of LABs/CLBs	1920	1920	1920	1920
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V	1.14V ~ 1.26V
Total RAM Bits	442368	442368	442368	442368
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)

### XC3S1000-5FGG456C Datasheet PDF

Download XC3S1000-5FGG456C pdf datasheets and AMD documentation for XC3S1000-5FGG456C - AMD.

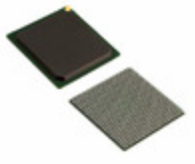
#### Environmental Information



### Customers Also Interested in

#### Recommended Products

<b>XC3S1000-4FTG256C</b>	<b>XC3S1000-4FGG676I</b>	<b>XC3S1000-4FGG456I</b>	<b>XC3S100E-4TQG144C</b>	<b>XC3S100E-4TQG144I</b>	<b>XC3S100E-4CPG132I</b>	
AMD IC FPGA 173 I/O 256FTBGA	AMD IC FPGA 391 I/O 676FBGA	AMD IC FPGA 333 I/O 456FBGA	AMD IC FPGA 108 I/O 144TQFP	AMD IC FPGA 108 I/O 144TQFP	AMD IC FPGA 83 I/O 132CSBGA	
<b>XC3S1000-5FTG256C</b>	<b>XC3S1000-5FGG456C</b>	<b>XC3S1000-4FT256C</b>	<b>XC3S100E-4CPG132C</b>	<b>XC3S1000-4FGG456I(1)</b>	<b>XC3S100E-4TQG144C</b>	
AMD IC FPGA 173 I/O 256FTBGA	AMD IC FPGA 333 I/O 456FBGA	AMD IC FPGA 173 I/O 256FTBGA	AMD IC FPGA 83 I/O 132CSBGA	AMD Xilinx	AMD IC FPGA 108 I/O 144TQFP	



### XC3S1000-4FGG676C

AMD  
IC FPGA 391 I/O 676FBGA

### XC3S1000-5FT256C

AMD  
IC FPGA 173 I/O 256FTBGA

### XC3S1000-5FGG456I

AMD Xilinx

### XC3S1000-4FT256I

AMD  
IC FPGA 173 I/O 256FTBGA

### XC3S1000-5FG676CES

AMD Xilinx

### XC3S1000-4FTG256I

AMD  
IC FPGA 173 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.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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