

Image may be representation.  
See specifications for product details.



## XC2V500-4FG456I

Manufacturer Part Number	<b>XC2V500-4FG456I</b>
Manufacturer	<b>AMD Xilinx</b>
Allelco Part Number	32D-XC2V500-4FG456I
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 264 I/O 456FBGA
Package	456-BBGA
Data sheet	<b>Virtex-II Platform FPGAs.pdf</b>

**Get a Quote**

XC2V500-4FG456I - AMD.New Original in Stock. Download Linear Technology XC2V500-4FG456I datasheet/specifications on AllelcoElec.com.  
Request a quote for XC2V500-4FG456I, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC2V500-4FG456I Tech Specifications

XC2V500-4FG456I - 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	1.425V ~ 1.575V	Number of LABs/CLBs	768
Total RAM Bits	589824	Number of I/O	264
Supplier Device Package	456-FBGA (23x23)	Number of Gates	500000
Series	Virtex®-II	Mounting Type	Surface Mount
Package / Case	456-BBGA	Base Product Number	XC2V500
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2V500-4FG456I

Product Attribute				
Part Number	XC2V500-4FG456I	<b>XC2V500-5FGG456C</b>	<b>XC2V4000-5BF957I</b>	<b>XC2V500-4FGG456C</b>
Manufacturer	AMD	AMD	AMD	AMD
Number of Gates	500000	500000	4000000	500000
Supplier Device Package	456-FBGA (23x23)	456-FBGA (23x23)	957-FCBGA (40x40)	456-FBGA (23x23)
Series	Virtex®-II	Virtex®-II	Virtex®-II	Virtex®-II
Total RAM Bits	589824	589824	2211840	589824
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Number of LABs/CLBs	768	768	5760	768
Number of I/O	264	264	684	264
Base Product Number	XC2V500	XC2V500	XC2V4000	XC2V500
Package	Tray	Tray	Tray	Tray
Package / Case	456-BBGA	456-BBGA	957-BBGA, FCBGA	456-BBGA
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### XC2V500-4FG456I Datasheet PDF

Download XC2V500-4FG456I pdf datasheets and AMD documentation for XC2V500-4FG456I - AMD.

#### Datasheets

[Virtex-II Platform FPGAs.pdf](#)

#### Environmental Information

[Xilinx REACH211 Cert.pdf](#)

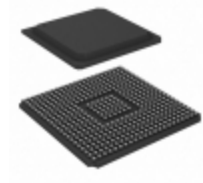
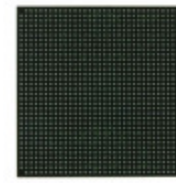
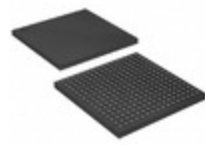
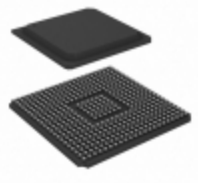
#### PCN Obsolescence/ EOL

[Spartan, Virtex, XC17V00 24/Apr/2013.pdf](#)

### Customers Also Interested in

#### Recommended Products

<b>XC2V500-5FGG456C</b>	<b>XC2V4000-5BF957I</b>	<b>XC2V4000-5FF1152C</b>	<b>XC2V500-4FGG456C</b>	<b>XC2V500-5FG256I</b>	<b>XC2V500-6FG256C</b>
AMD IC FPGA 264 I/O 456FBGA	AMD IC FPGA 684 I/O 957FCBGA	AMD Xilinx	AMD IC FPGA 264 I/O 456FBGA	AMD IC FPGA 172 I/O 256FBGA	AMD Xilinx



**XC2V500-5FG456I**  
AMD  
IC FPGA 264 I/O 456FBGA

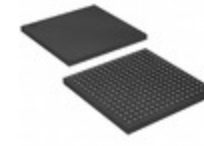
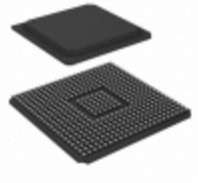
**XC2V500-5FG456C**  
AMD Xilinx

**XC2V500-5FGG256C**  
AMD  
IC FPGA 172 I/O 256FBGA

**XC2V4000-6FF1152I**  
AMD Xilinx

**XC2V4000-4FFG1152I**  
AMD  
IC FPGA 824 I/O 1152FCBGA

**XC2V500-5FGG456I**  
AMD  
IC FPGA 264 I/O 456FBGA



**XC2V500-4FGG456I**  
AMD  
IC FPGA 264 I/O 456FBGA

**XC2V500-4FG256C**

**XC2V4000-5FF1152I**  
AMD  
IC FPGA 824 I/O 1152FCBGA

**XC2V4000-5BF957C0765**  
AMD Xilinx

**XC2V500-4FG256I**  
AMD  
IC FPGA 172 I/O 256FBGA

**XC2V500-4FG456C**  
AMD Xilinx

## 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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