

Image may be representation.
See specifications for product details.



XC2V500-5FG456I

Manufacturer Part Number	XC2V500-5FG456I
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XC2V500-5FG456I
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 264 I/O 456FBGA
Package	456-BBGA
Data sheet	Virtex-II Platform FPGAs.pdf

Get a Quote

XC2V500-5FG456I - AMD.New Original in Stock. Download Linear Technology XC2V500-5FG456I datasheet/specifications on AllelcoElec.com.
Request a quote for XC2V500-5FG456I, please send us email: info@allelco.com

Specifications

XC2V500-5FG456I Tech Specifications

XC2V500-5FG456I - 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 XC2V500-5FG456I

Product Attribute				
Part Number	XC2V500-5FG456I	XC2V500-4FG256I	XC2V500-4FG456I	XC2V500-4FGG456I
Manufacturer	AMD	AMD	AMD	AMD
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	456-BBGA	256-BGA	456-BBGA	456-BBGA
Base Product Number	XC2V500	XC2V500	XC2V500	XC2V500
Series	Virtex®-II	Virtex®-II	Virtex®-II	Virtex®-II
Package	Tray	Tray	Tray	Tray
Number of I/O	264	172	264	264
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Total RAM Bits	589824	589824	589824	589824
Number of LABs/CLBs	768	768	768	768
Number of Gates	500000	500000	500000	500000
Supplier Device Package	456-FBGA (23x23)	256-FBGA (17x17)	456-FBGA (23x23)	456-FBGA (23x23)

XC2V500-5FG456I Datasheet PDF

Download XC2V500-5FG456I pdf datasheets and AMD documentation for XC2V500-5FG456I - AMD.

Datasheets

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

Environmental Information

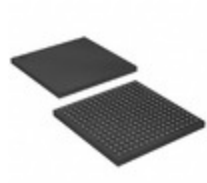
[Xilinx REACH211 Cert.pdf](#)

PCN Obsolescence/ EOL

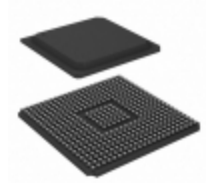
[Spartan, Virtex, XC17V00 24/Apr/2013.pdf](#)

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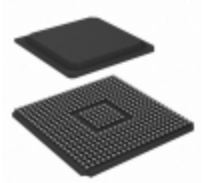
Recommended Products



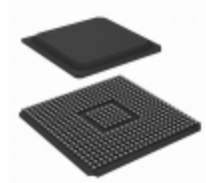
XC2V500-4FG256I
AMD
IC FPGA 172 I/O 256FBGA



XC2V500-4FG456I
AMD
IC FPGA 264 I/O 456FBGA



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



XC2V500-5FGG456C
AMD
IC FPGA 264 I/O 456FBGA



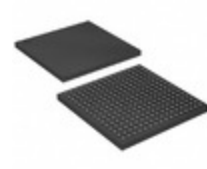
XC2V500-5FG456C
AMD Xilinx



XC2V6000-4BF957C
AMD
IC FPGA 684 I/O 957FCBGA



XC2V500-4FG256C



XC2V500-5FG256I

AMD
IC FPGA 172 I/O 256FBGA



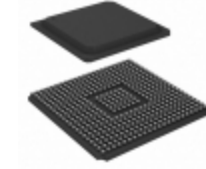
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AMD
IC FPGA 684 I/O 957FCBGA



XC2V6000-4FF1517C

AMD Xilinx



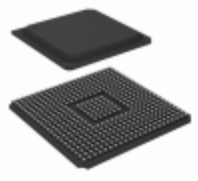
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AMD
IC FPGA 264 I/O 456FBGA



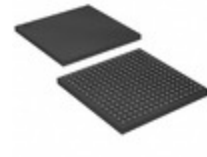
XC2V500-4FG456C

AMD Xilinx



XC2V500-5FGG456I

AMD
IC FPGA 264 I/O 456FBGA



XC2V500-6FGG256C

AMD
IC FPGA 172 I/O 256FBGA



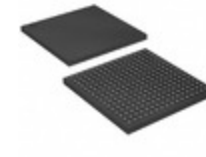
XC2V6000-4FF1152C

AMD Xilinx



XC2V6000-4FF1152I

AMD
IC FPGA 824 I/O 1152FCBGA



XC2V500-5FGG256C

AMD
IC FPGA 172 I/O 256FBGA



XC2V500-6FG256C

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.



Phone

+00852 9146 4856



Email

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Certifications & Memberships



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