

Image may be representation.  
See specifications for product details.



## XC2V1000-4FG256I

|                          |                                     |
|--------------------------|-------------------------------------|
| Manufacturer Part Number | <b>XC2V1000-4FG256I</b>             |
| Manufacturer             | <b>AMD Xilinx</b>                   |
| Allelco Part Number      | 32D-XC2V1000-4FG256I                |
| ECAD Model               | Request Free CAD Models             |
| Parts Description        | IC FPGA 172 I/O 256FBGA             |
| Package                  | 256-BGA                             |
| Data sheet               | <b>Virtex-II Platform FPGAs.pdf</b> |

**Get a Quote**

XC2V1000-4FG256I - AMD.New Original in Stock. Download Linear Technology XC2V1000-4FG256I datasheet/specifications on AllelcoElec.com.  
Request a quote for XC2V1000-4FG256I, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

XC2V1000-4FG256I Tech Specifications  
XC2V1000-4FG256I - 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   | 1280               |
| Total RAM Bits          | 737280           | Number of I/O         | 172                |
| Supplier Device Package | 256-FBGA (17x17) | Number of Gates       | 1000000            |
| Series                  | Virtex®-II       | Mounting Type         | Surface Mount      |
| Package / Case          | 256-BGA          | Base Product Number   | XC2V1000           |
| Package                 | Tray             |                       |                    |

### Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2V1000-4FG256I

| Product Attribute       |                    |                          |                          |                          |
|-------------------------|--------------------|--------------------------|--------------------------|--------------------------|
| Part Number             | XC2V1000-4FG256I   | <b>XC2V1000-4BGG575I</b> | <b>XC2V1000-4BGG575C</b> | <b>XC2V1000-4FFG896C</b> |
| Manufacturer            | AMD                | AMD                      | AMD                      | AMD                      |
| Series                  | Virtex®-II         | Virtex®-II               | Virtex®-II               | Virtex®-II               |
| Number of LABs/CLBs     | 1280               | 1280                     | 1280                     | 1280                     |
| Package / Case          | 256-BGA            | 575-BBGA                 | 575-BBGA                 | 896-BBGA, FCBGA          |
| Voltage - Supply        | 1.425V ~ 1.575V    | 1.425V ~ 1.575V          | 1.425V ~ 1.575V          | 1.425V ~ 1.575V          |
| Mounting Type           | Surface Mount      | Surface Mount            | Surface Mount            | Surface Mount            |
| Number of Gates         | 1000000            | 1000000                  | 1000000                  | 1000000                  |
| Supplier Device Package | 256-FBGA (17x17)   | 575-BGA (31x31)          | 575-BGA (31x31)          | 896-FCBGA (31x31)        |
| Number of I/O           | 172                | 328                      | 328                      | 432                      |
| Base Product Number     | XC2V1000           | XC2V1000                 | XC2V1000                 | XC2V1000                 |
| Total RAM Bits          | 737280             | 737280                   | 737280                   | 737280                   |
| Operating Temperature   | -40°C ~ 100°C (TJ) | -40°C ~ 100°C (TJ)       | 0°C ~ 85°C (TJ)          | 0°C ~ 85°C (TJ)          |
| Package                 | Tray               | Tray                     | Tray                     | Tray                     |

### XC2V1000-4FG256I Datasheet PDF

Download XC2V1000-4FG256I pdf datasheets and AMD documentation for XC2V1000-4FG256I - AMD.

#### Datasheets

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

#### Environmental Information

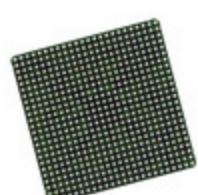
[Xilinx REACH211 Cert.pdf](#)

#### PCN Obsolescence/ EOL

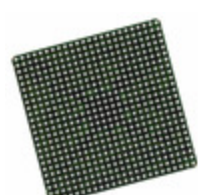
[Spartan, Virtex, XC17V00 24/Apr/2013.pdf](#)

### Customers Also Interested in

#### Recommended Products



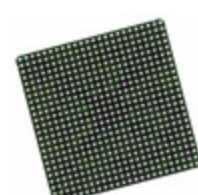
**XC2V1000-4BGG575I**  
AMD  
IC FPGA 328 I/O 575BGA



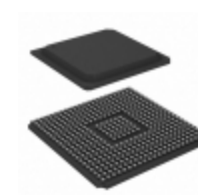
**XC2V1000-4BGG575C**  
AMD  
IC FPGA 328 I/O 575BGA



**XC2V1000-4FFG896C**  
AMD  
IC FPGA 432 I/O 896FCBGA



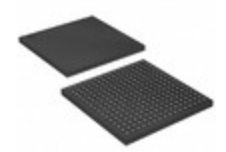
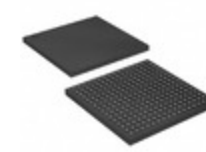
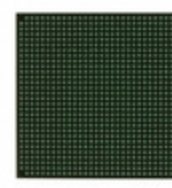
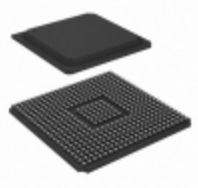
**XC2V1000-5BG575I**  
AMD  
IC FPGA 328 I/O 575BGA



**XC2V1000-4FGG456I**  
AMD  
IC FPGA 324 I/O 456FBGA



**XC2V1000-4BG575I**  
AMD  
IC FPGA 328 I/O 575BGA



**XC2V1000-4FG456I**

AMD  
IC FPGA 324 I/O 456FBGA

**XC2V1000-4FG456C**

AMD Xilinx

**XC2V1000-4FFG896I**

AMD  
IC FPGA 432 I/O 896FCBGA

**XC2V1000-4FF896I**

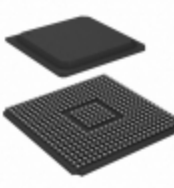
AMD  
IC FPGA 432 I/O 896FCBGA

**XC2V1000-4FFG256C**

AMD  
IC FPGA 172 I/O 256FBGA

**XC2V1000-4FFG256I**

AMD  
IC FPGA 172 I/O 256FBGA



**XC2V1000-4FG456CES**

AMD Xilinx

**XC2V1000-4FG456C0765**

AMD Xilinx

**XC2V1000-4FFG456C**

AMD  
IC FPGA 324 I/O 456FBGA

**XC2V1000-4BG575C**

AMD Xilinx

**XC2V1000-4FF896C**

AMD Xilinx

**XC2V1000-4FG256C**

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

info@allelco.com

## Certifications & Memberships



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