



Image may be representation.
See specifications for product details.



XC2C512-7FGG324C

Manufacturer Part Number	XC2C512-7FGG324C
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XC2C512-7FGG324C
ECAD Model	Request Free CAD Models
Parts Description	IC CPLD 512MC 7.1NS 324FBGA
Package	324-BBGA
Data sheet	XC2C512 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

XC2C512-7FGG324C - AMD.New Original in Stock. Download Linear Technology XC2C512-7FGG324C datasheet/specifications on AllelcoElec.com.
Request a quote for XC2C512-7FGG324C, please send us email: info@allelco.com

Specifications

XC2C512-7FGG324C Tech Specifications
XC2C512-7FGG324C - AMD technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	AMD Xilinx	Number of Macrocells	512
Voltage Supply - Internal	1.7V ~ 1.9V	Number of Logic Elements/Blocks	32
Supplier Device Package	324-FBGA (23x23)	Number of I/O	270
Series	CoolRunner II	Number of Gates	12000
Programmable Type	In System Programmable	Mounting Type	Surface Mount
Package / Case	324-BBGA	Delay Time tpd(1) Max	7.1 ns
Package	Tray	Base Product Number	XC2C512
Operating Temperature	0°C ~ 70°C (TA)		

Parts with Similar Specifications

The three parts on the right have similar specifications to AMD XC2C512-7FGG324C

Product Attribute				
Part Number	XC2C512-7FGG324C	XC2C512-10PQG208I	XC2C512-7PQG208C	XC2C512-7FT256I
Manufacturer	AMD	AMD	AMD	AMD
Base Product Number	XC2C512	XC2C512	XC2C512	XC2C512
Delay Time tpd(1) Max	7.1 ns	9.2 ns	7.1 ns	7.1 ns
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Logic Elements/Blocks	32	32	32	32
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Programmable Type	In System Programmable	In System Programmable	In System Programmable	In System Programmable
Number of Macrocells	512	512	512	512
Package	Tray	Tray	Tray	Tray
Series	CoolRunner II	CoolRunner II	CoolRunner II	CoolRunner II
Number of Gates	12000	12000	12000	12000
Voltage Supply - Internal	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V
Number of I/O	270	173	173	212
Supplier Device Package	324-FBGA (23x23)	208-PQFP (28x28)	208-PQFP (28x28)	256-FTBGA (17x17)
Package / Case	324-BBGA	208-BFQFP	208-BFQFP	256-LBGA

XC2C512-7FGG324C Datasheet PDF

Download XC2C512-7FGG324C pdf datasheets and AMD documentation for XC2C512-7FGG324C - AMD.

Environmental Information

[Xilinx REACH211 Cert.pdf](#)

HTML Datasheet

[XC2C512 Datasheet.pdf](#)

Customers Also Interested in

Recommended Products



XC2C512-FTG256
AMD Xilinx



XC2C512-10PQG208I
AMD
IC CPLD 512MC 9.2NS 208QFP



XC2C512-7PQG208C
AMD
IC CPLD 512MC 7.1NS 208QFP



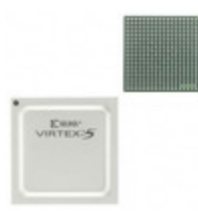
XC2C64-5VQ100C
AMD Xilinx



XC2C512-7FT256I
AMD
IC CPLD 512MC 7.1NS 256FTBGA



XC2C512-10FTG256I
AMD
IC CPLD 512MC 9.2NS 256FTBGA



XC2C512-6PQG208I

Altera (Intel)

XC2C512-7FG324C

AMD
IC CPLD 512MC 7.1NS 324FBGA

XC2C512-10FT256I

AMD
IC CPLD 512MC 9.2NS 256FTBGA

XC2C512-7FTG256I

AMD
IC CPLD 512MC 7.1NS 256FTBGA

XC2C512-7FG324I

AMD Xilinx

XC2C512-7FTG256C

AMD
IC CPLD 512MC 7.1NS 256FTBGA



XC2C64-4VQG44C

AMD Xilinx

XC2C512-10PQ208I

AMD
IC CPLD 512MC 9.2NS 208QFP

XC2C512-10PQG208C

AMD
IC CPLD 512MC 9.2NS 208QFP

XC2C512-10FTG256C

AMD
IC CPLD 512MC 9.2NS 256FTBGA

XC2C512-7FT256C

AMD
IC CPLD 512MC 7.1NS 256FTBGA

XC2C512-10FT256C

AMD
IC CPLD 512MC 9.2NS 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



[View More](#)



Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.