



Image may be representation.
See specifications for product details.



XC2C512-10FG324C

Manufacturer Part Number	XC2C512-10FG324C
Manufacturer	AMD Xilinx
Allelco Part Number	32D-XC2C512-10FG324C
ECAD Model	Request Free CAD Models
Parts Description	IC CPLD 512MC 9.2NS 324FBGA
Package	324-BBGA
Data sheet	XC2C512 Datasheet.pdf

Get a Quote

XC2C512-10FG324C - AMD.New Original in Stock. Download Linear Technology XC2C512-10FG324C datasheet/specifications on AllelcoElec.com.
Request a quote for XC2C512-10FG324C, please send us email: info@allelco.com

Specifications

XC2C512-10FG324C Tech Specifications
XC2C512-10FG324C - 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	9.2 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 XC2C512-10FG324C

Product Attribute				
Part Number	XC2C512-10FG324C	XC2C384-7TQG144C	XC2C512-10PQG208C	XC2C384-10TQ144I
Manufacturer	AMD	AMD	AMD	AMD
Series	CoolRunner II	CoolRunner II	CoolRunner II	CoolRunner II
Package	Tray	Tray	Tray	Tray
Delay Time tpd(1) Max	9.2 ns	7.1 ns	9.2 ns	9.2 ns
Number of Gates	12000	9000	12000	9000
Voltage Supply - Internal	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V	1.7V ~ 1.9V
Supplier Device Package	324-FBGA (23x23)	144-TQFP (20x20)	208-PQFP (28x28)	100-TQFP (14x14)
Programmable Type	In System Programmable	In System Programmable	In System Programmable	In System Programmable
Number of Macrocells	512	384	512	384
Number of Logic Elements/Blocks	32	24	32	24
Base Product Number	XC2C512	XC2C384	XC2C512	XC2C384
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Package / Case	324-BBGA	144-LQFP	208-BFQFP	100-LQFP
Number of I/O	270	118	173	118
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

XC2C512-10FG324C Datasheet PDF

Download XC2C512-10FG324C pdf datasheets and AMD documentation for XC2C512-10FG324C - AMD.

Environmental Information

[Xilinx REACH211 Cert.pdf](#)

Design Resources

[CoolRunner-II CPLD Designer Guide.pdf](#)

HTML Datasheet

[XC2C512 Datasheet.pdf](#)

Customers Also Interested in

Recommended Products



XC2C384-7TQG144C
AMD
IC CPLD 384MC 7.1NS 144TQFP



XC2C512-10PQG208C
AMD
IC CPLD 512MC 9.2NS 208QFP



XC2C384-10TQ144I
AMD
IC CPLD 384MC 9.2NS 100TQFP



XC2C512-10FGG324I
AMD
IC CPLD 512MC 9.2NS 324FBGA



XC2C384-10PQ208C
AMD
IC CPLD 384MC 9.2NS 208QFP



XC2C384-10FT256I
AMD
IC CPLD 384MC 9.2NS 256FTBGA



XC2C384-10FTG256C
AMD
IC CPLD 384MC 9.2NS 256FTBGA



XC2C512-10FTG256C
AMD
IC CPLD 512MC 9.2NS 256FTBGA



XC2C384-7FTG256C
AMD
IC CPLD 384MC 7.1NS 256FTBGA



XC2C384-10FTG256I
AMD
IC CPLD 384MC 9.2NS 256FTBGA



XC2C384-7FT256C
AMD
IC CPLD 384MC 7.1NS 256FTBGA



XC2C384-10TQG144I
AMD
IC CPLD 384MC 9.2NS 144TQFP



XC2C512-10FTG256C
AMD
IC CPLD 512MC 9.2NS 256FTBGA



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



XC2C512-10PQ208I
AMD
IC CPLD 512MC 9.2NS 208QFP



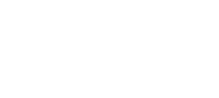
XC2C512-10PQG208I
AMD
IC CPLD 512MC 9.2NS 208QFP



XC2C512-10FT256I
AMD
IC CPLD 512MC 9.2NS 256FTBGA



XC2C384-10TQG144C
AMD
IC CPLD 384MC 9.2NS 144TQFP



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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