

Image may be representation.  
See specifications for product details.



## EP1C12F256C6N

Manufacturer Part Number	<a href="#">EP1C12F256C6N</a>
Manufacturer	<a href="#">Intel</a>
Allelco Part Number	32D-EP1C12F256C6N
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC FPGA 185 I/O 256FBGA
Package	256-BGA
Data sheet	<a href="#">256-FBGA Pkg Info.pdf</a> <a href="#">Virtual JTAG Megafunton Guide.pdf</a> <a href="#">Cylindrical Battery Holders.pdf</a>

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EP1C12F256C6N - Intel.New Original in Stock. Download Linear Technology EP1C12F256C6N datasheet/specifications on AllelcoElec.com.  
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### Specifications

EP1C12F256C6N Tech Specifications  
EP1C12F256C6N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 85°C (TJ)
Voltage - Supply	1.425V ~ 1.575V	Number of Logic Elements/Cells	12060
Total RAM Bits	239616	Number of LABs/CLBs	1206
Supplier Device Package	256-FBGA (17x17)	Number of I/O	185
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	256-BGA	Base Product Number	EP1C12
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C12F256C6N

Product Attribute				
Part Number	EP1C12F256C6N	<a href="#">EP1C12F256C8</a>	<a href="#">EP1C12F256I7</a>	<a href="#">EP1C12F256I7N</a>
Manufacturer	Intel	Intel	Intel	Intel
Package / Case	256-BGA	256-BGA	256-BGA	256-BGA
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Number of LABs/CLBs	1206	1206	1206	1206
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Number of Logic Elements/Cells	12060	12060	12060	12060
Package	Tray	Tray	Tray	Tray
Total RAM Bits	239616	239616	239616	239616
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	256-FBGA (17x17)	256-FBGA (17x17)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	185	185	185	185
Base Product Number	EP1C12	EP1C12	EP1C12	EP1C12
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)

### EP1C12F256C6N Datasheet PDF

Download EP1C12F256C6N pdf datasheets and Intel documentation for EP1C12F256C6N - Intel.

#### Datasheets

- [256-FBGA Pkg Info.pdf](#)
- [Virtual JTAG Megafunton Guide.pdf](#)

#### PCN Packaging

- [All Dev Pkg Chg 1/Aug/2018.pdf](#)
- [Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

#### PCN Design/Specification

- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

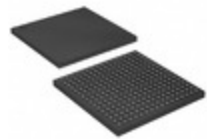
#### HTML Datasheet

- [Cylindrical Battery Holders.pdf](#)

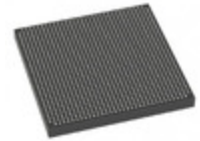
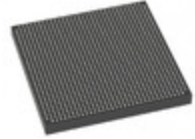
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#### Recommended Products

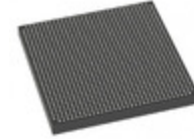
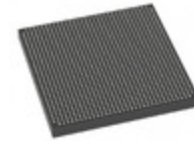
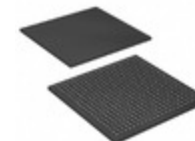
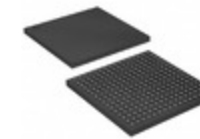
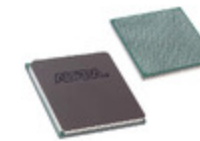


**EP1C12F256C8**Intel  
IC FPGA 185 I/O 256FBGA**EP1C12F256C8N**Intel  
IC FPGA 185 I/O 256FBGA**EP1C12F256I6N**

Altera (Intel)

**EP1C12F256I7**Intel  
IC FPGA 185 I/O 256FBGA**EP1AGX60DF780C6N**Altera  
FIELD PROGRAMMABLE GATE  
ARRAY, 6**EP1AGX90EF1152C6N**Intel  
IC FPGA 538 I/O 1152FBGA**EP1C12F256I7N**Intel  
IC FPGA 185 I/O 256FBGA**EP1AGX90EF1152I6N**Intel  
IC FPGA 538 I/O 1152FBGA**EP1C12F256I6**

Altera (Intel)

**EP1C12F256C6**Intel  
IC FPGA 185 I/O 256FBGA**EP1AGX60EF1152C6N**Intel  
IC FPGA 514 I/O 1152FBGA**EP1AGX90EF1152C6**Intel  
IC FPGA 538 I/O 1152FBGA**EP1C12F256C7**Intel  
IC FPGA 185 I/O 256FBGA**EP1AGX60DF780C6N**Intel  
IC FPGA 350 I/O 780FBGA**EP1AGX60CF484I6N**Intel  
IC FPGA 229 I/O 484FBGA**EP1C12F324C6**Intel  
IC FPGA 249 I/O 324FBGA**EP1C12F256C7N**Intel  
IC FPGA 185 I/O 256FBGA**EP1AGX60DF780I6N**Intel  
IC FPGA 350 I/O 780FBGA

## 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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