

Image may be representation.
See specifications for product details.



EP1C6F256C6

Manufacturer Part Number	EP1C6F256C6
Manufacturer	Intel
Allelco Part Number	32D-EP1C6F256C6
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 185 I/O 256FBGA
Package	256-BGA
Data sheet	256-FBGA Pkg Info.pdf Virtual JTAG Megafuntion Guide.pdf Cylindrical Battery Holders.pdf

Get a Quote

EP1C6F256C6 - Intel.New Original in Stock. Download Linear Technology EP1C6F256C6 datasheet/specifications on AllelcoElec.com.
Request a quote for EP1C6F256C6, please send us email: info@allelco.com

Specifications

EP1C6F256C6 Tech Specifications

EP1C6F256C6 - 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	5980
Total RAM Bits	92160	Number of LABs/CLBs	598
Supplier Device Package	256-FBGA (17x17)	Number of I/O	185
Series	Cyclone®	Mounting Type	Surface Mount
Package / Case	256-BGA	Base Product Number	EP1C6
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1C6F256C6

Product Attribute				
Part Number	EP1C6F256C6	EP1C6F256C7	EP1C4F400C6	EP1C6F256C8N
Manufacturer	Intel	Intel	Intel	Intel
Voltage - Supply	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V	1.425V ~ 1.575V
Number of I/O	185	185	301	185
Series	Cyclone®	Cyclone®	Cyclone®	Cyclone®
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	5980	5980	4000	5980
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	400-FBGA (21x21)	256-FBGA (17x17)
Number of LABs/CLBs	598	598	400	598
Total RAM Bits	92160	92160	78336	92160
Base Product Number	EP1C6	EP1C6	EP1C4	EP1C6
Package / Case	256-BGA	256-BGA	400-BGA	256-BGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

EP1C6F256C6 Datasheet PDF

Download EP1C6F256C6 pdf datasheets and Intel documentation for EP1C6F256C6 - Intel.

Datasheets

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

PCN Packaging

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

PCN Design/Specification

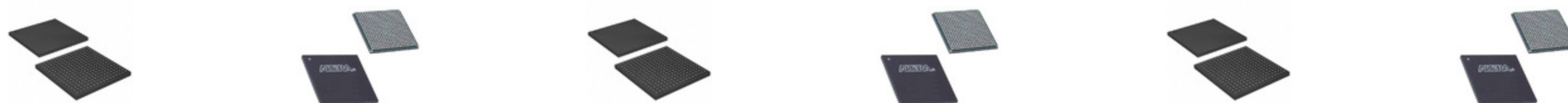
- [Mult Series Software Chgs 26/Mar/2020.pdf](#)
- [Mult Dev Substrate Material Chg 25/Aug/2017.pdf](#)

HTML Datasheet

- [Cylindrical Battery Holders.pdf](#)

Customers Also Interested in

Recommended Products



EP1C6F256C7
Intel
IC FPGA 185 I/O 256FBGA

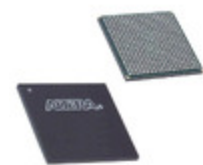
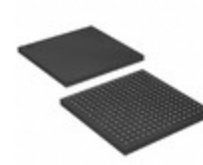
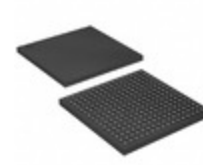
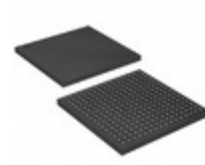
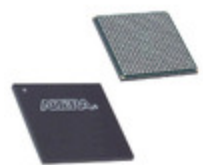
EP1C4F400C6
Intel
IC FPGA 301 I/O 400FBGA

EP1C6F256C8N
Intel
IC FPGA 185 I/O 256FBGA

EP1C4F400I7N
Intel
IC FPGA 301 I/O 400FBGA

EP1C6F256C8
Intel
IC FPGA 185 I/O 256FBGA

EP1C4F400C8
Intel
IC FPGA 301 I/O 400FBGA



EP1C4F400C6N
Intel
IC FPGA 301 I/O 400FBGA

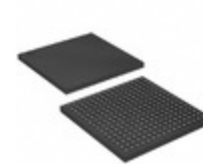
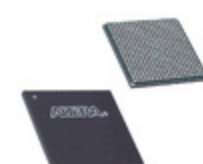
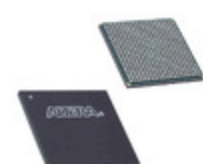
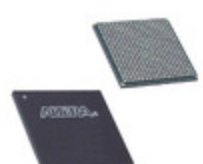
EP1C6F256C6N
Intel
IC FPGA 185 I/O 256FBGA

EP1C6F256C8L
Altera (Intel)

EP1C6F256I7N
Intel
IC FPGA 185 I/O 256FBGA

EP1C6F256I7
Intel
IC FPGA 185 I/O 256FBGA

EP1C4F400C7N
Intel
IC FPGA 301 I/O 400FBGA



EP1C4F400C8N
Intel
IC FPGA 301 I/O 400FBGA

EP1C6F256I7L
Altera (Intel)

EP1C4F400C7
Intel
IC FPGA 301 I/O 400FBGA

EP1C4F400I7
Intel
IC FPGA 301 I/O 400FBGA

EP1C6F256C7N
Intel
IC FPGA 185 I/O 256FBGA

EP1C4F400C8L
Altera (Intel)

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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