

Image may be representation.  
See specifications for product details.



## EP1K30FC256-1

Manufacturer Part Number	<b>EP1K30FC256-1</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-EP1K30FC256-1
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 171 I/O 256FBGA
Package	256-BGA
Data sheet	<a href="#">256-FBGA Pkg Info.pdf</a> <a href="#">Cylindrical Battery Holders.pdf</a>

**Get a Quote**

EP1K30FC256-1 - Intel.New Original in Stock. Download Linear Technology EP1K30FC256-1 datasheet/specifications on AllelcoElec.com.  
Request a quote for EP1K30FC256-1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

EP1K30FC256-1 Tech Specifications

EP1K30FC256-1 - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 70°C (TA)
Voltage - Supply	2.375V ~ 2.625V	Number of Logic Elements/Cells	1728
Total RAM Bits	24576	Number of LABs/CLBs	216
Supplier Device Package	256-FBGA (17x17)	Number of I/O	171
Series	ACEX-1K®	Number of Gates	119000
Package / Case	256-BGA	Mounting Type	Surface Mount
Package	Tray	Base Product Number	EP1K30

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1K30FC256-1

Product Attribute				
Part Number	EP1K30FC256-1	EP1K30FC256-2N	EP1K10TC144-3	EP1K30FC256-3N
Manufacturer	Intel	Intel	Intel	Altera (Intel® Programmable Solutions Group)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)
Number of Gates	119000	119000	56000	119000
Package / Case	256-BGA	256-BGA	144-LQFP	256-BBGA
Total RAM Bits	24576	24576	12288	24576
Number of LABs/CLBs	216	216	72	216
Base Product Number	EP1K30	EP1K30	EP1K10	-
Supplier Device Package	256-FBGA (17x17)	256-FBGA (17x17)	144-TQFP (20x20)	256-FBGA (17x17)
Voltage - Supply	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375 V ~ 2.625 V
Number of Logic Elements/Cells	1728	1728	576	1728
Package	Tray	Tray	Tray	-
Number of I/O	171	171	92	171
Series	ACEX-1K®	ACEX-1K®	ACEX-1K®	ACEX-1K®

### EP1K30FC256-1 Datasheet PDF

Download EP1K30FC256-1 pdf datasheets and Intel documentation for EP1K30FC256-1 - Intel.

#### Datasheets

[256-FBGA Pkg Info.pdf](#)

#### PCN Packaging

[All Dev Pkg Chg 1/Aug/2018.pdf](#)

[Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

#### PCN Obsolescence/ EOL

[EOL 01/Dec/2016.pdf](#)

[EOL 21/Nov/2016.pdf](#)

#### PCN Other

[Software Disc 06/Nov/2020.pdf](#)

#### HTML Datasheet

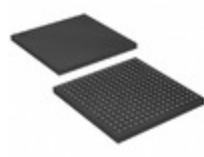

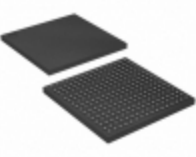
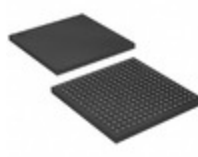

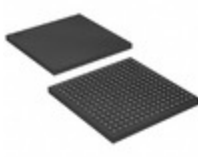


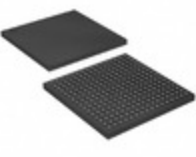

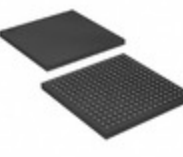
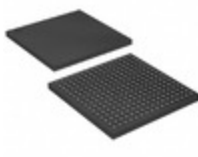






[Cylindrical Battery Holders.pdf](#)

#### PCN Design/Specification

[Cylindrical Battery Holders.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>EP1K30FC256-2N</b> Intel IC FPGA 171 I/O 256FBGA	<b>EP1K10TC144-3</b> Intel IC FPGA 92 I/O 144TQFP	<b>EP1K30FC256-3N</b> Altera (Intel® Programmable Solutions Group) IC FPGA 171 I/O 256FBGA	<b>EP1K30FI256-2</b> Intel IC FPGA 171 I/O 256FBGA	<b>EP1K10TC144-3N</b> Intel IC FPGA 92 I/O 144TQFP	<b>EP1K30FC256-2</b> Intel IC FPGA 171 I/O 256FBGA
					
<b>EP1K30QC208-1N</b> Intel IC FPGA 147 I/O 208QFP	<b>EP1K30QC208-1</b> Intel IC FPGA 147 I/O 208QFP	<b>EP1K30FC256-1N</b> Intel IC FPGA 171 I/O 256FBGA	<b>EP1K10TI144-2</b> Altera (Intel)	<b>EP1K30FI256-2N</b> Intel IC FPGA 171 I/O 256FBGA	<b>EP1K30FC256-3</b> Intel IC FPGA 171 I/O 256FBGA
					
<b>EP1K10TC144-2N</b> Intel IC FPGA 92 I/O 144TQFP	<b>EP1K10TI100-2N</b> Intel IC FPGA 66 I/O 100TQFP	<b>EP1K10TC144-10</b> Altera (Intel)	<b>EP1K10TI100-2</b> Intel IC FPGA 66 I/O 100TQFP	<b>EP1K10TC144-1N</b> Intel IC FPGA 92 I/O 144TQFP	<b>EP1K10TC144-2</b> Intel IC FPGA 92 I/O 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.



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