

Image may be representation.  
See specifications for product details.



## EP4CE30F23C7

|                          |   |
|--------------------------|---|
| Manufacturer Part Number | <a href="#">EP4CE30F23C7</a>  |
| Manufacturer             | <a href="#">Intel</a>   |
| Allelco Part Number      | 32D-EP4CE30F23C7  |
| ECAD Model               | <a href="#">Request Free CAD Models</a>   |
| Parts Description        | IC FPGA 328 I/O 484FBGA   |
| Package                  | 484-BGA   |
| Data sheet               | <a href="#">Virtual JTAG Megafuntion Guide.pdf</a><br><a href="#">Cyclone IV Device Datasheet.pdf</a><br><a href="#">Cyclone IV Device Handbook.pdf</a> |

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EP4CE30F23C7 - Intel.New Original in Stock. Download Linear Technology EP4CE30F23C7 datasheet/specifications on AllelcoElec.com.  
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### Specifications

EP4CE30F23C7 Tech Specifications

EP4CE30F23C7 - Intel technical specifications, attributes, parameters

| Product Attribute       | Attribute Value  | Product Attribute              | Attribute Value |
|-------------------------|------------------|--------------------------------|-----------------|
| Manufacturer            | Intel            | Operating Temperature          | 0°C ~ 85°C (TJ) |
| Voltage - Supply        | 1.15V ~ 1.25V    | Number of Logic Elements/Cells | 28848           |
| Total RAM Bits          | 608256           | Number of LABs/CLBs            | 1803            |
| Supplier Device Package | 484-FBGA (23x23) | Number of I/O                  | 328             |
| Series                  | Cyclone® IV E    | Mounting Type                  | Surface Mount   |
| Package / Case          | 484-BGA          | Base Product Number            | EP4CE30         |
| Package                 | Tray             |                                |                 |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4CE30F23C7

| Product Attribute              |                  |                               |                               |                               |
|--------------------------------|------------------|-------------------------------|-------------------------------|-------------------------------|
| Part Number                    | EP4CE30F23C7     | <a href="#">EP4CE30F2317N</a> | <a href="#">EP4CE22F1717N</a> | <a href="#">EP4CE22F17C8N</a> |
| Manufacturer                   | Intel            | Intel                         | Intel                         | Intel                         |
| Total RAM Bits                 | 608256           | 608256                        | 608256                        | 608256                        |
| Mounting Type                  | Surface Mount    | Surface Mount                 | Surface Mount                 | Surface Mount                 |
| Operating Temperature          | 0°C ~ 85°C (TJ)  | -40°C ~ 100°C (TJ)            | -40°C ~ 100°C (TJ)            | 0°C ~ 85°C (TJ)               |
| Package / Case                 | 484-BGA          | 484-BGA                       | 256-LBGA                      | 256-LBGA                      |
| Number of Logic Elements/Cells | 28848            | 28848                         | 22320                         | 22320                         |
| Base Product Number            | EP4CE30          | EP4CE30                       | EP4CE22                       | EP4CE22                       |
| Number of I/O                  | 328              | 328                           | 153                           | 153                           |
| Series                         | Cyclone® IV E    | Cyclone® IV E                 | Cyclone® IV E                 | Cyclone® IV E                 |
| Package                        | Tray             | Tray                          | Tray                          | Tray                          |
| Supplier Device Package        | 484-FBGA (23x23) | 484-FBGA (23x23)              | 256-FBGA (17x17)              | 256-FBGA (17x17)              |
| Number of LABs/CLBs            | 1803             | 1803                          | 1395                          | 1395                          |
| Voltage - Supply               | 1.15V ~ 1.25V    | 1.15V ~ 1.25V                 | 1.15V ~ 1.25V                 | 1.15V ~ 1.25V                 |

### EP4CE30F23C7 Datasheet PDF

Download EP4CE30F23C7 pdf datasheets and Intel documentation for EP4CE30F23C7 - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone IV Device Datasheet.pdf](#)
- [Cyclone IV Device Handbook.pdf](#)

#### PCN Packaging

- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

#### PCN Design/Specification

- [Quartus SW/Web Chgs 23/Sep/2021.pdf](#)
- [Mult Dev Software Chgs 3/Jun/2021.pdf](#)

#### Errata

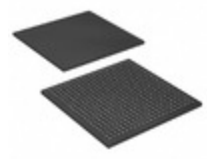
- [Cyclone IV Device Family Errata.pdf](#)

### Customers Also Interested in

#### Recommended Products



**EP4CE30F23I7N**  
Intel  
IC FPGA 328 I/O 484FBGA



**EP4CE30F23I8LN**  
Intel  
IC FPGA 328 I/O 484FBGA

**EP4CE22F17I7N**  
Intel  
IC FPGA 153 I/O 256FBGA



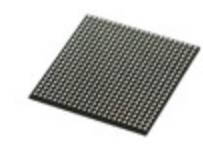
**EP4CE30F29C6N**  
Intel  
IC FPGA 532 I/O 780FBGA

**EP4CE22F17C8N**  
Intel  
IC FPGA 153 I/O 256FBGA



**EP4CE30F29C8N**  
Intel  
IC FPGA 532 I/O 780FBGA

**EP4CE30F29C7N**  
Intel  
IC FPGA 532 I/O 780FBGA



**EP4CE30F23C7N**  
Intel  
IC FPGA 328 I/O 484FBGA

**EP4CE30F23C6N**  
Intel  
IC FPGA 328 I/O 484FBGA



**EP4CE30F29I7N**  
Intel  
IC FPGA 532 I/O 780FBGA

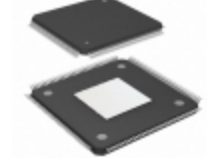
**EP4CE40F23A7N**  
Intel  
IC FPGA 328 I/O 484FBGA



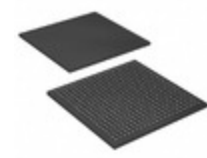
**EP4CE30F23C8N**  
Intel  
IC FPGA 328 I/O 484FBGA



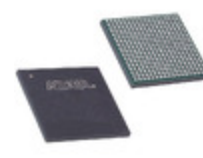
**EP4CE30F19A7NG**  
Altera (Intel)



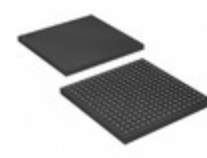
**EP4CE22E22I7N**  
Intel  
IC FPGA 79 I/O 144EQFP



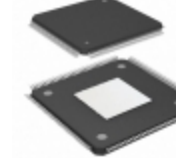
**EP4CE30F23C8**  
Intel  
IC FPGA 328 I/O 484FBGA



**EP4CE30F19A7N**  
Intel  
IC FPGA 193 I/O 324FBGA



**EP4CE15U14I7N**  
Intel  
IC FPGA 165 I/O 256UBGA



**EP4CE22E22C8N**  
Intel  
IC FPGA 79 I/O 144EQFP

## 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  
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## Certifications & Memberships



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