

Image may be representation.  
See specifications for product details.



## 10M16SAE144I7G

Manufacturer Part Number	<b>10M16SAE144I7G</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-10M16SAE144I7G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC FPGA 101 I/O 144EQFP
Package	144-LQFP Exposed Pad
Data sheet	<a href="#">MAX 10 FPGA Device Datasheet.pdf</a> <a href="#">MAX 10 FPGA Overview ~.pdf</a>
RoHs Status	RoHS Compliant

**Get a Quote**

10M16SAE144I7G - Intel.New Original in Stock. Download Linear Technology 10M16SAE144I7G datasheet/specifications on AllelcoElec.com.  
Request a quote for 10M16SAE144I7G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

10M16SAE144I7G Tech Specifications  
10M16SAE144I7G - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Voltage - Supply	2.85V ~ 3.465V	Operating Temperature	-40°C ~ 100°C (TJ)
Total RAM Bits	562176	Number of Logic Elements/Cells	16000
Supplier Device Package	144-EQFP (20x20)	Number of LABs/CLBs	1000
Series	MAX® 10	Number of I/O	101
Package / Case	144-LQFP Exposed Pad	Mounting Type	Surface Mount

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10M16SAE144I7G

Product Attribute				
Part Number	10M16SAE144I7G	10M08SCU324C8G	10M16SCE144C8G	10M16SAU169I7G
Manufacturer	Intel	Intel	Intel	Intel
Number of I/O	101	246	101	130
Package / Case	144-LQFP Exposed Pad	324-LFBGA	144-LQFP Exposed Pad	169-LFBGA
Number of LABs/CLBs	1000	500	1000	1000
Voltage - Supply	2.85V ~ 3.465V	2.85V ~ 3.465V	2.85V ~ 3.465V	2.85V ~ 3.465V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Total RAM Bits	562176	387072	562176	562176
Supplier Device Package	144-EQFP (20x20)	324-UBGA (15x15)	144-EQFP (20x20)	169-UBGA (11x11)
Number of Logic Elements/Cells	16000	8000	16000	16000
Package	Tray	Tray	Tray	Tray
Series	MAX® 10	MAX® 10	MAX® 10	MAX® 10
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)

### 10M16SAE144I7G Datasheet PDF

Download 10M16SAE144I7G pdf datasheets and Intel documentation for 10M16SAE144I7G - Intel.

#### Datasheets

[MAX 10 FPGA Overview ~.pdf](#)

#### PCN Packaging

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

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

#### HTML Datasheet

[MAX 10 FPGA Device Datasheet.pdf](#)

#### PCN Design/Specification

[Max10 Pin Guide 3/Dec/2021.pdf](#)

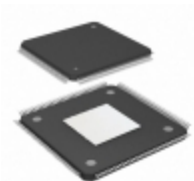
[Mult Dev Software Chgs 3/Jun/2021.pdf](#)

### Customers Also Interested in

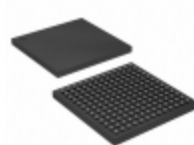
#### Recommended Products



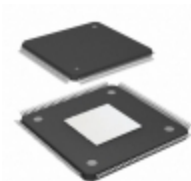
**10M08SCU324C8G**  
Intel  
IC FPGA 246 I/O 324UBGA



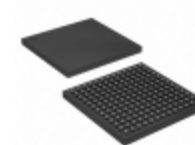
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Intel  
IC FPGA 101 I/O 144EQFP



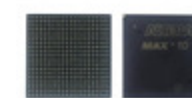
**10M16SAU169I7G**  
Intel  
IC FPGA 130 I/O 169UBGA



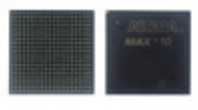
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Intel  
IC FPGA 101 I/O 144EQFP



**10M16SAU169C8G**  
Intel  
IC FPGA 130 I/O 169UBGA



**10M16SCU324C8G**  
Intel  
IC FPGA 246 I/O 324UBGA



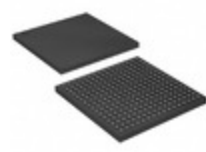
**10M16SAU324I7G**

Intel  
IC FPGA 246 I/O 324UBGA



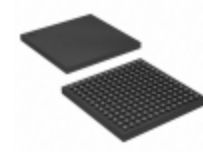
**10M16SCE144I7NG**

Altera (Intel)



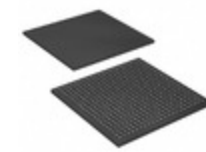
**10M16DAF256I7G**

Intel  
IC FPGA 178 I/O 256FBGA



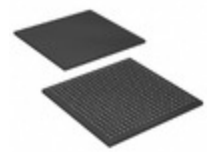
**10M16SCU169I7G**

Intel  
IC FPGA 130 I/O 169UBGA



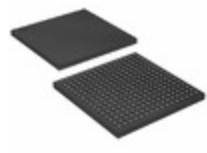
**10M16DAF484I7G**

Intel  
IC FPGA 320 I/O 484FBGA



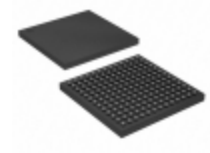
**10M16DCF484C8G**

Intel  
IC FPGA 320 I/O 484FBGA



**10M16DCF256I7G**

Intel  
IC FPGA 178 I/O 256FBGA



**10M16SCU169C8G**

Intel  
IC FPGA 130 I/O 169UBGA



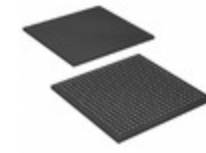
**10M16DAU324I7G**

Intel  
IC FPGA 246 I/O 324UBGA



**10M100**

IR  
IGBT Module



**10M16DAF484C8G**

Intel  
IC FPGA 320 I/O 484FBGA



**10M120**

IR  
IGBT Module

## 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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