



# 10M08DFV81I7G

Manufacturer Part Number	<b>10M08DFV81I7G</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-10M08DFV81I7G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC FPGA 56 I/O 81WLCSP
Package	81-UFBGA, WLCSP
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

10M08DFV81I7G - Intel.New Original in Stock. Download Linear Technology 10M08DFV81I7G datasheet/specifications on AllelcoElec.com.  
Request a quote for 10M08DFV81I7G, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

10M08DFV81I7G Tech Specifications  
10M08DFV81I7G - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tape & Reel (TR)
Voltage - Supply	1.15V ~ 1.25V	Operating Temperature	-40°C ~ 100°C (TJ)
Total RAM Bits	387072	Number of Logic Elements/Cells	8000
Supplier Device Package	81-VBGA, WLCSP (4.5x4.4)	Number of LABs/CLBs	500
Series	MAX® 10	Number of I/O	56
Package / Case	81-UFBGA, WLCSP	Mounting Type	Surface Mount

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10M08DFV81I7G

Product Attribute				
Part Number	10M08DFV81I7G	10M08DAU324C8G	10M08SAM153C8G	10M08SAM153I7G
Manufacturer	Intel	Intel	Intel	Intel
Series	MAX® 10	MAX® 10	MAX® 10	MAX® 10
Package	Tape & Reel (TR)	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of LABs/CLBs	500	500	500	500
Supplier Device Package	81-VBGA, WLCSP (4.5x4.4)	324-UBGA (15x15)	153-MBGA (8x8)	153-MBGA (8x8)
Total RAM Bits	387072	387072	387072	387072
Number of Logic Elements/Cells	8000	8000	8000	8000
Operating Temperature	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Voltage - Supply	1.15V ~ 1.25V	1.15V ~ 1.25V	2.85V ~ 3.465V	2.85V ~ 3.465V
Number of I/O	56	246	112	112
Package / Case	81-UFBGA, WLCSP	324-LFBGA	153-VFBGA	153-VFBGA

## 10M08DFV81I7G Datasheet PDF

Download 10M08DFV81I7G pdf datasheets and Intel documentation for 10M08DFV81I7G - 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](#)

### PCN Design/Specification

[Quartus SW/Web Chgs 23/Sep/2021.pdf](#)

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

### HTML Datasheet

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

### Errata

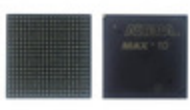
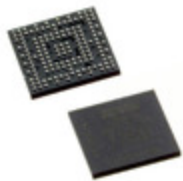
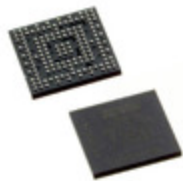
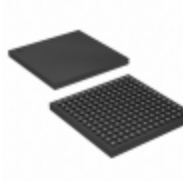

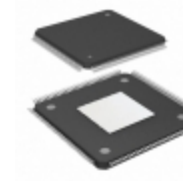

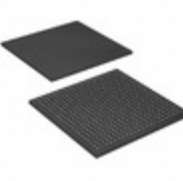
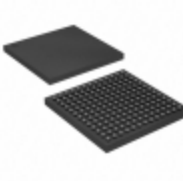
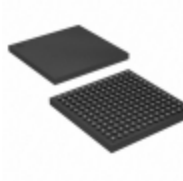
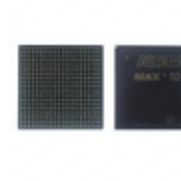
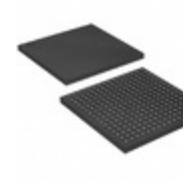
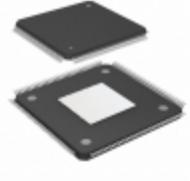
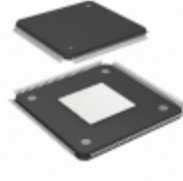
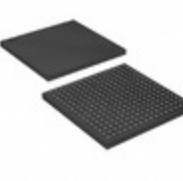

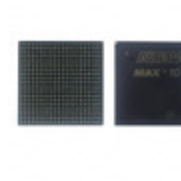
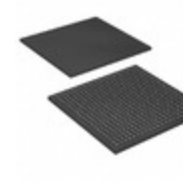
[MAX 10 ES Devices Errata and Guidelines.pdf](#)

### PCN Assembly/Origin

[2.73KHz.pdf](#)

## Customers Also Interested in

## Recommended Products

					
<b>10M08DAU324C8G</b>	<b>10M08SAM153C8G</b>	<b>10M08SAM153I7G</b>	<b>10M08SAU169I7G</b>	<b>10M08SAU324C8G</b>	<b>10M08SCE144I7G</b>
Intel IC FPGA 246 I/O 324UBGA	Intel IC FPGA 112 I/O 153MBGA	Intel IC FPGA 112 I/O 153MBGA	Intel IC FPGA 130 I/O 169UBGA	Intel IC FPGA 246 I/O 324UBGA	Intel IC FPGA 101 I/O 144EQFP
					
<b>10M08SAE144C8G</b>	<b>10M08DAF484I7G</b>	<b>10M08SAU169C8G</b>	<b>10M08SAU169A7G</b>	<b>10M08DCU324A7G</b>	<b>10M08DAF256I7G</b>
Intel IC FPGA 101 I/O 144EQFP	Intel IC FPGA 250 I/O 484FBGA	Intel IC FPGA 130 I/O 169UBGA	Intel IC FPGA 130 I/O 169UBGA	Intel IC FPGA 246 I/O 324UBGA	Intel IC FPGA 178 I/O 256FBGA
					
<b>10M08SAE144I7G</b>	<b>10M08SCE144C8G</b>	<b>10M08DCF256I7G</b>	<b>10M08DCU324C8G</b>	<b>10M08DCU324I7G</b>	<b>10M08DCF484C8G</b>
Intel IC FPGA 101 I/O 144EQFP	Intel IC FPGA 101 I/O 144EQFP	Intel IC FPGA 178 I/O 256FBGA	Intel IC FPGA 246 I/O 324UBGA	Intel IC FPGA 246 I/O 324UBGA	Intel IC FPGA 250 I/O 484FBGA

## 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.

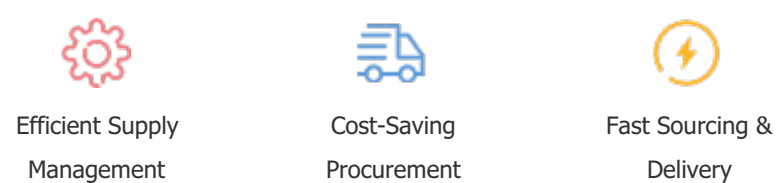
### Payment Support

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 -



Contact us if you have any questions.



### Certifications & Memberships



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