

Image may be representation.  
See specifications for product details.



## 10CL006YU256C8G

Manufacturer Part Number	<b>10CL006YU256C8G</b>
Manufacturer	<b>Intel</b>
Allelco Part Number	32D-10CL006YU256C8G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC FPGA 176 I/O 256UBGA
Package	256-LFBGA
Data sheet	<a href="#">Cyclone 10 LP Devices Overview.pdf</a> <a href="#">Cyclone® 10 LP Device Datasheet.pdf</a>
RoHs Status	RoHS Compliant

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10CL006YU256C8G - Intel.New Original in Stock. Download Linear Technology 10CL006YU256C8G datasheet/specifications on AllelcoElec.com.  
Request a quote for 10CL006YU256C8G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

10CL006YU256C8G Tech Specifications  
10CL006YU256C8G - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Voltage - Supply	1.2V	Operating Temperature	0°C ~ 85°C (TJ)
Total RAM Bits	276480	Number of Logic Elements/Cells	6272
Supplier Device Package	256-UBGA (14x14)	Number of LABs/CLBs	392
Series	Cyclone® 10 LP	Number of I/O	176
Package / Case	256-LFBGA	Mounting Type	Surface Mount

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10CL006YU256C8G

Product Attribute				
Part Number	10CL006YU256C8G	10CL016YE144I7G	10CL010YE144C8G	10CL016YU256I7G
Manufacturer	Intel	Intel	Intel	Intel
Number of Logic Elements/Cells	6272	15408	10320	15408
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	256-UBGA (14x14)	144-EQFP (20x20)	144-EQFP (20x20)	256-UBGA (14x14)
Operating Temperature	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	-40°C ~ 100°C (TJ)
Number of I/O	176	78	88	162
Number of LABs/CLBs	392	963	645	963
Package	Tray	Tray	Tray	Tray
Voltage - Supply	1.2V	1.2V	1.2V	1.2V
Package / Case	256-LFBGA	144-LQFP Exposed Pad	144-LQFP Exposed Pad	256-LFBGA
Total RAM Bits	276480	516096	423936	516096
Series	Cyclone® 10 LP	Cyclone® 10 LP	Cyclone® 10 LP	Cyclone® 10 LP

### 10CL006YU256C8G Datasheet PDF

Download 10CL006YU256C8G pdf datasheets and Intel documentation for 10CL006YU256C8G - Intel.

#### Datasheets

- [Cyclone 10 LP Devices Overview.pdf](#)
- [Cyclone® 10 LP Device Datasheet.pdf](#)

#### PCN Design/Specification

- [Arria/Cyclone 10 Software Chg 3/Jun/2021.pdf](#)
- [Mult Dev Software Rev 28/May/2021.pdf](#)

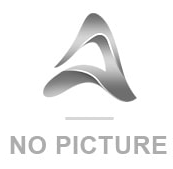
#### PCN Packaging

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

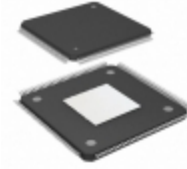
### Customers Also Interested in

#### Recommended Products

- 10CL016YE144I7G**  
Intel  
IC FPGA 78 I/O 144EQFP
- 10CL010YE144C8G**  
Intel  
IC FPGA 88 I/O 144EQFP
- 10CL016YU256I7G**  
Intel  
IC FPGA 162 I/O 256UBGA
- 10CL010YU256I7G**  
Intel  
IC FPGA 176 I/O 256UBGA
- 10CL006YU256I7G**  
Intel  
IC FPGA 176 I/O 256UBGA
- 10CL010YE144I7G**  
Intel  
IC FPGA 88 I/O 144EQFP



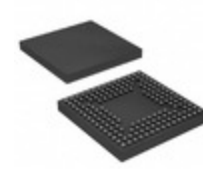
**10C60CT**  
U-TRON



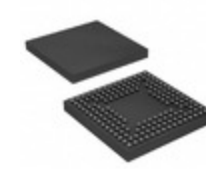
**10CL016YE144C8G**  
Intel  
IC FPGA 78 I/O 144EQFP



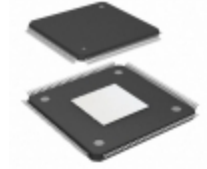
**10CL010YM164C8G**  
Intel  
IC FPGA 101 I/O 164MBGA



**10CL010YM164I7G**  
Intel  
IC FPGA 101 I/O 164MBGA



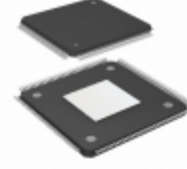
**10CL016YM164C6G**  
Intel  
IC FPGA 87 I/O 164MBGA



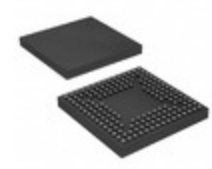
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Intel  
IC FPGA 88 I/O 144EQFP



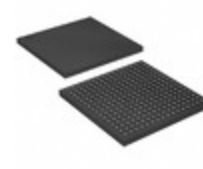
**10C1NCD01DB**



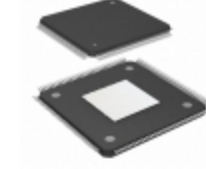
**10CL006YE144I7G**  
Intel  
IC FPGA 88 I/O 144EQFP



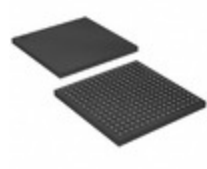
**10CL016YM164A7G**  
Intel  
IC FPGA 87 I/O 164MBGA



**10CL010YU256C8G**  
Intel  
IC FPGA 176 I/O 256UBGA



**10CL006YE144C8G**  
Intel  
IC FPGA 88 I/O 144EQFP



**10CL016YU256C8G**  
Intel  
IC FPGA 162 I/O 256UBGA

## 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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 Email  
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## Certifications & Memberships



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