



Image may be representation.  
See specifications for product details.



## MAX1416EUE+T

Manufacturer Part Number	<b>MAX1416EUE+T</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX1416EUE+T
ECAD Model	Request Free CAD Models
Parts Description	IC ADC 16BIT SIGMA-DELTA 16TSSOP
Package	16-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>MAX1415,16.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MAX1416EUE+T - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX1416EUE+T datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX1416EUE+T, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

MAX1416EUE+T Tech Specifications

MAX1416EUE+T - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Number of Inputs	2
Voltage - Supply, Digital	5V	Number of Bits	16
Voltage - Supply, Analog	5V	Number of A/D Converters	1
Supplier Device Package	16-TSSOP	Mounting Type	Surface Mount
Series	-	Input Type	Differential
Sampling Rate (Per Second)	500	Features	PGA
Reference Type	External	Data Interface	SPI
Ratio - S/H:ADC	-	Configuration	MUX-PGA-ADC
Package / Case	16-TSSOP (0.173", 4.40mm Width)	Base Product Number	MAX1416
Package	Tape & Reel (TR)	Architecture	Sigma-Delta
Operating Temperature	-40°C ~ 85°C		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX1416EUE+T

Product Attribute				
Part Number	MAX1416EUE+T	MAX1415EUE+	MAX1425EAI+	MAX1415EUE+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Supplier Device Package	16-TSSOP	16-TSSOP	28-SSOP	16-TSSOP
Ratio - S/H:ADC	-	-	1:1	-
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Data Interface	SPI	SPI	Serial	SPI
Number of Inputs	2	2	1	2
Base Product Number	MAX1416	MAX1415	MAX1425	MAX1415
Series	-	-	-	-
Input Type	Differential	Differential	Differential	Differential
Package / Case	16-TSSOP (0.173", 4.40mm Width)	16-TSSOP (0.173", 4.40mm Width)	28-SSOP (0.209", 5.30mm Width)	16-TSSOP (0.173", 4.40mm Width)
Architecture	Sigma-Delta	Sigma-Delta	Pipelined	Sigma-Delta
Number of Bits	16	16	10	16
Sampling Rate (Per Second)	500	500	20M	500
Features	PGA	PGA	-	PGA
Configuration	MUX-PGA-ADC	MUX-PGA-ADC	-	MUX-PGA-ADC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of A/D Converters	1	1	1	1
Voltage - Supply, Analog	5V	2.7V ~ 3.6V	4.75V ~ 5.25V	2.7V ~ 3.6V
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Voltage - Supply, Digital	5V	2.7V ~ 3.6V	4.75V ~ 5.25V	2.7V ~ 3.6V
Reference Type	External	External	External	External

## MAX1416EUE+T Datasheet PDF

Download MAX1416EUE+T pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX1416EUE+T - Analog Devices Inc./Maxim Integrated.

### Datasheets

[MAX1415,16.pdf](#)

### Environmental Information

[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration MAX1416EUE+T.pdf](#)

## Part Numbering Guide



Part Numbering System.pdf

## Application Notes



Important Design Considerations for Heart-Rate and.pdf



Overview of Sensor Signal Paths.pdf



Blood Pressure Monitor Design Considerations.pdf



Important Design Considerations for Digital Thermo.pdf

## Customers Also Interested in

### Recommended Products



#### MAX1415EUE+

Analog Devices Inc./Maxim Integrated  
IC ADC 16BIT SIGMA-DELTA 16TSSOP



#### MAX1425CAI+

Analog Devices / Maxim Integrated



#### MAX1425EAI+

Analog Devices Inc./Maxim Integrated  
IC ADC 10BIT PIPELINED 28SSOP



#### MAX1415CUE+T

Analog Devices / Maxim Integrated



#### MAX1415CWE+T

Analog Devices / Maxim Integrated



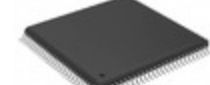
#### MAX14163ESA

Analog Devices / Maxim Integrated



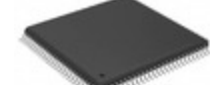
#### MAX1415EUE+T

Analog Devices Inc./Maxim Integrated  
IC ADC 16BIT SIGMA-DELTA 16TSSOP



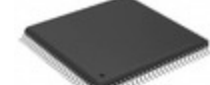
#### MAX1415ENE+

Analog Devices / Maxim Integrated



#### MAX1418ETN+

Analog Devices / Maxim Integrated



#### MAX1434ECQ+D

Analog Devices Inc./Maxim Integrated  
IC ADC 10BIT PIPELINED 100TQFP



#### MAX1416AEUE+T

Analog Devices / Maxim Integrated



#### MAX1416ENE+

Analog Devices / Maxim Integrated



#### MAX1426EAI+T

Analog Devices / Maxim Integrated



#### MAX1415EWE+T

Analog Devices Inc./Maxim Integrated  
IC ADC 16BIT SIGMA-DELTA 16SOIC



#### MAX1434ECQ+

Analog Devices / Maxim Integrated



#### MAX1416EUE

Analog Devices / Maxim Integrated



#### MAX141CQHABB

Analog Devices / Maxim Integrated



#### MAX141CQH

Analog Devices / Maxim Integrated

## 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
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  
+00852 9146 4856



Email  
info@allelco.com

## Certifications & Memberships



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