



Image may be representation.
See specifications for product details.



DS1631AU+

Manufacturer Part Number	DS1631AU+
Manufacturer	Maxim Integrated
Allelco Part Number	32D-DS1631AU+
ECAD Model	Request Free CAD Models
Parts Description	SENSOR DIGITAL -55C-125C 8UMAX
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	DS1631(A), DS1731.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

DS1631AU+ - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology DS1631AU+ datasheet/specifications on AllelcoElec.com. Request a quote for DS1631AU+, please send us email: info@allelco.com

Specifications

DS1631AU+ Tech Specifications

DS1631AU+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Voltage - Supply	2.7V ~ 5.5V	Package	Tube
Test Condition	0°C ~ 70°C (-55°C ~ 125°C)	Output Type	I ² C
Supplier Device Package	8-uMAX/uSOP	Operating Temperature	-55°C ~ 125°C
Series	-	Mounting Type	Surface Mount
Sensor Type	Digital, Local	Features	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Standby Mode
Sensing Temperature - Remote	-	Base Product Number	DS1631
Sensing Temperature - Local	-55°C ~ 125°C	Accuracy - Highest (Lowest)	±0.5°C (±2°C)
Resolution	11 b		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS1631AU+

Product Attribute				
Part Number	DS1631AU+	DS1631	DS1626U+	DS1631S+
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Voltage - Supply	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-DIP (0.300", 7.62mm)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.209", 5.30mm Width)
Sensor Type	Digital, Local	Digital, Local	Digital, Local	Digital, Local
Accuracy - Highest (Lowest)	±0.5°C (±2°C)	±0.5°C (±2°C)	±0.5°C (±2°C)	±0.5°C (±2°C)
Features	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Standby Mode	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Standby Mode	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Standby Mode	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Standby Mode
Test Condition	0°C ~ 70°C (-55°C ~ 125°C)	0°C ~ 70°C (-55°C ~ 125°C)	0°C ~ 70°C (-55°C ~ 125°C)	0°C ~ 70°C (-55°C ~ 125°C)
Package	Tube	Tube	Tube	Tube
Operating Temperature	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Series	-	-	-	-
Output Type	I ² C	I ² C	3-Wire (CLK, DQ, RST)	I ² C
Sensing Temperature - Local	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Base Product Number	DS1631	DS1631	DS1626	DS1631
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Sensing Temperature - Remote	-	-	-	-
Supplier Device Package	8-uMAX/uSOP	8-PDIP	8-uMAX/uSOP	8-SOIC
Resolution	11 b	11 b	11 b	11 b

DS1631AU+ Datasheet PDF

Download DS1631AU+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS1631AU+ - Analog Devices Inc./Maxim Integrated.

Datasheets

[DS1631\(A\), DS1731.pdf](#)

Environmental Information

[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration DS1631AU+.pdf](#)

Application Notes

[Thermal Management Handbook.pdf](#)

[Understanding Multidrop Address Assignments for Th.pdf](#)

[Curve Fitting the Error of a Bandgap-Based Digital.pdf](#)

Customers Also Interested in

Recommended Products



DS1631

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8DIP

DS1629S+T&R

Analog Devices / Maxim Integrated



DS1626U+T

Analog Devices / Maxim Integrated



DS1626U+

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631S+

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631U+

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1629S-T

Analog Devices / Maxim Integrated



DS1631U+T

Analog Devices / Maxim Integrated



DS1631S

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631S+TR

Analog Devices / Maxim Integrated



DS1631AU+T&R

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631U

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631AU+T

Analog Devices / Maxim Integrated



DS1629S

Analog Devices Inc./Maxim Integrated
IC THERM/RTC/CALENDAR DIG 8-SOIC



DS1629

Analog Devices / Maxim Integrated



DS1629S+

Maxim Integrated
IC THERM/RTC/CALENDAR DIG 8-SOIC



DS1631AU

Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1629C3

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
	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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Email

info@allelco.com

Certifications & Memberships



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