



Image may be representation.
See specifications for product details.



DS1631U+

| | |
|--------------------------|--|
| Manufacturer Part Number | DS1631U+ |
| Manufacturer | Maxim Integrated |
| Allelco Part Number | 32D-DS1631U+ |
| 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

DS1631U+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology DS1631U+ datasheet/specifications on AllelcoElec.com. Request a quote for DS1631U+, please send us email: info@allelco.com

Specifications

DS1631U+ Tech Specifications
DS1631U+ - 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 DS1631U+

| Product Attribute | | | | |
|------------------------------|--|--|--|--|
| Part Number | DS1631U+ | DS1631S | DS1631Z+T&R | DS1631AU+ |
| Manufacturer | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated |
| 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 |
| Output Type | I ² C | I ² C | I ² C | I ² C |
| Package | Tube | Tube | Tape & Reel (TR) | Tube |
| Accuracy - Highest (Lowest) | ±0.5°C (±2°C) | ±0.5°C (±2°C) | ±0.5°C (±2°C) | ±0.5°C (±2°C) |
| Supplier Device Package | 8-uMAX/uSOP | 8-SOIC | 8-SOIC | 8-uMAX/uSOP |
| Series | - | - | - | - |
| Sensing Temperature - Local | -55°C ~ 125°C | -55°C ~ 125°C | -55°C ~ 125°C | -55°C ~ 125°C |
| Sensor Type | Digital, Local | Digital, Local | Digital, Local | Digital, Local |
| Operating Temperature | -55°C ~ 125°C | -55°C ~ 125°C | -55°C ~ 125°C | -55°C ~ 125°C |
| Voltage - Supply | 2.7V ~ 5.5V | 2.7V ~ 5.5V | 2.7V ~ 5.5V | 2.7V ~ 5.5V |
| Sensing Temperature - Remote | - | - | - | - |
| Resolution | 11 b | 11 b | 11 b | 11 b |
| 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) |
| Base Product Number | DS1631 | DS1631 | DS1631 | DS1631 |
| Package / Case | 8-TSSOP, 8-MSOP (0.118', 3.00mm Width) | 8-SOIC (0.209', 5.30mm Width) | 8-SOIC (0.154', 3.90mm Width) | 8-TSSOP, 8-MSOP (0.118', 3.00mm Width) |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |

DS1631U+ Datasheet PDF

Download DS1631U+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS1631U+ - Analog Devices Inc./Maxim Integrated.

Datasheets

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

Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration DS1631U+.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



DS1631S
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631Z+T&R
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631AU+
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631Z+T
Analog Devices / Maxim Integrated



DS1631AU+T
Analog Devices / Maxim Integrated



DS1631U+T
Analog Devices / Maxim Integrated



DS1631Z
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631Z+TR
Analog Devices / Maxim Integrated



DS1631S+TR
Analog Devices / Maxim Integrated



DS1631S+
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631S+T&R
Analog Devices / Maxim Integrated



DS1631U+TR
Analog Devices / Maxim Integrated



DS1631U
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631Z+
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8SOIC



DS1631U+T&R
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631AU+T&R
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX



DS1631AU+T&R
Analog Devices / Maxim Integrated



DS1631AU
Analog Devices Inc./Maxim Integrated
SENSOR DIGITAL -55C-125C 8UMAX

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
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



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