



Image may be representation.  
See specifications for product details.



## DS1307ZN+

Manufacturer Part Number	<b>DS1307ZN+</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-DS1307ZN+
ECAD Model	Request Free CAD Models
Parts Description	IC RTC CLK/CALENDAR I2C 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>DS1307.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DS1307ZN+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology DS1307ZN+ datasheet/specifications on AllelcoElec.com.  
Request a quote for DS1307ZN+, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DS1307ZN+ Tech Specifications  
DS1307ZN+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Battery	2V ~ 3.5V	Mounting Type	Surface Mount
Voltage - Supply	4.5V ~ 5.5V	Memory Size	56B
Type	Clock/Calendar	Interface	I <sup>2</sup> C, 2-Wire Serial
Time Format	HH:MM:SS (12/24 hr)	Features	Leap Year, NVSRAM, Square Wave Output
Supplier Device Package	8-SOIC	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	200µA @ 5V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	DS1307
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS1307ZN+

Product Attribute				
Part Number	DS1307ZN+	DS1307Z/TR	DS1307Z+T&R	DS1307ZN
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Voltage - Supply, Battery	2V ~ 3.5V	2V ~ 3.5V	2V ~ 3.5V	2V ~ 3.5V
Base Product Number	DS1307	-	DS1307	DS1307
Current - Timekeeping (Max)	200µA @ 5V	200µA @ 5V	200µA @ 5V	200µA @ 5V
Operating Temperature	-40°C ~ 85°C	0°C ~ 70°C (TA)	0°C ~ 70°C	-40°C ~ 85°C
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Interface	I <sup>2</sup> C, 2-Wire Serial	I <sup>2</sup> C	I <sup>2</sup> C, 2-Wire Serial	I <sup>2</sup> C, 2-Wire Serial
Memory Size	56B	56B	56B	56B
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Time Format	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)
Voltage - Supply	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Features	Leap Year, NVSRAM, Square Wave Output	Leap Year, NVSRAM, Square Wave Output	Leap Year, NVSRAM, Square Wave Output	Leap Year, NVSRAM, Square Wave Output
Package	Tube	Bulk	Tape & Reel (TR)	Tube
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd

### DS1307ZN+ Datasheet PDF

Download DS1307ZN+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS1307ZN+ - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[DS1307.pdf](#)

#### Environmental Information

[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration DS1307ZN+.pdf](#)

#### Application Notes

[Oscillator Design Considerations for Low-Current A.pdf](#)

[Selecting a Backup Source for Real-Time Clocks.pdf](#)

[State Machine Logic in Binary-Coded Decimal \(BCD\)-.pdf](#)

[Using a DS1307 with a PIC Microcontroller.pdf](#)

#### Other Related Documents

[...](#)



## Customers Also Interested in

### Recommended Products

<b>DS1307ZM/TR</b> HG/HX	<b>DS1307Z/TR</b> Analog Devices Inc./Maxim Integrated DS1307 64 X 8, SERIAL, I2C RTC		<b>DS1307Z+T&amp;R</b> Analog Devices / Maxim Integrated IC RTC CLK/CALENDAR I2C 8SOIC		<b>DS1307ZN/TR</b> DS
<b>DS1307ZN</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR I2C 8SOIC	<b>DS1307Z+T&amp;R</b> Analog Devices / Maxim Integrated	<b>DS1308A+</b> Analog Devices / Maxim Integrated	<b>DS1308U-18+T</b> Analog Devices Inc./Maxim Integrated IC RTC CLOCK/CALENDAR I2C 8UMAX	<b>DS1307ZN+T</b> Analog Devices / Maxim Integrated	<b>DS1308U-33+</b> Analog Devices Inc./Maxim Integrated IC RTC CLOCK/CALENDAR I2C 8UMAX
<b>DS1307Z+T</b> Analog Devices / Maxim Integrated	<b>DS1307ZN+T&amp;R</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR I2C 8SOIC	<b>DS1307Z+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR I2C 8SOIC	<b>DS1307Z+ T&amp;R</b> Analog Devices / Maxim Integrated	<b>DS1308U-18+</b> Analog Devices Inc./Maxim Integrated IC RTC CLOCK/CALENDAR I2C 8UMAX	<b>DS1307ZNT&amp;R</b> DAL

## 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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