

Affiliate

Save big on our App!

English Русский Español Italiano Français Português Deutsch Nederlands 日本語 العربية Türkçe 한국어 ไทย Help

International
Worker's DayUP
TO 65% OFF

Shop Now

Banggood
.com

Ship to Switzerland, CHF

New Arrivals | Flash Deals | Preorder | Brands | Community



Sign in or Register

My Account

Shop All Categories

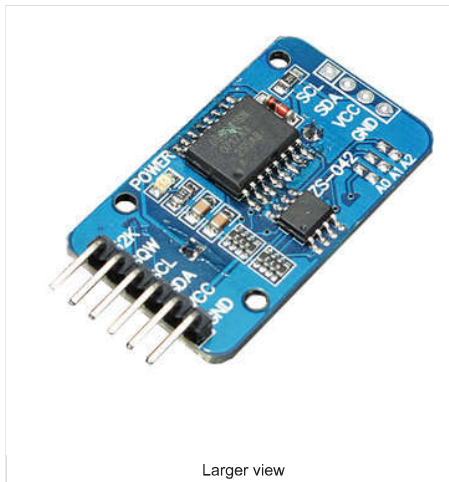
Arduino

All categories

Wish (0)

Cart (0)

Home > Electronics > Arduino Compatible SCM & DIY Kits > Module Board



Larger view



DS3231 AT24C32 IIC High Precision Real Time Clock Module For Arduino

5.0 (303 Reviews)

[Questions & Answers](#)

Product ID: 81066

Price: SFr ~~2.19~~

Warehouse: CN SFr2.19

Shipping: Processing time: Expected on April 29, 2018

Free shipping via [Standard Shipping](#) ☒ Shipping time: 7-25 business daysQuantity: [Wholesale Inquiry](#)

Under Restocking

Subtotal: 0 (Earn 0 Banggood points)

[Add to Wishlist](#)[Arrival Notice](#)Share

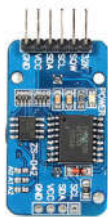
Tweet

[Pin it](#)[G+](#)[reddit this!](#)

Share

[Refer & get \\$3](#)[Price alert](#)[Report error](#)

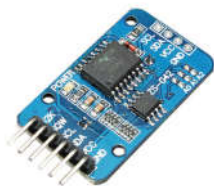
Hot Products



3Pcs DS3231 AT24C32 IIC Re...

SFr5.28

(87)



10Pcs DS3231 AT24C32 IIC R...

SFr16.20

(13)

Product details

Shipping methods

Payment methods

Return Policy

Reviews (303)

29%
OFF

US\$9.95-11.95

S20 10A 2200W WIFI SOCKET



Description:

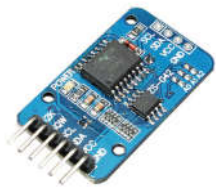
DS3231 is a low-cost, extremely accurate I2C real-time clock (RTC), with an integrated temperature-compensated crystal oscillator (TCXO) and crystal. The device incorporates a battery input, disconnect the main power supply and maintains accurate timekeeping. Integrated oscillator improve long-term accuracy of the device and reduces the number of components of the production line. The DS3231 is available in commercial and industrial temperature ranges, using a 16-pin 300mil SO package.

RTC maintains seconds, minutes, hours, day, date, month, and year information. Less than 31 days of the month, the end date will be automatically adjusted, including corrections for leap year. The clock operates in either the 24 hours or band / AM / PM indication of the 12-hour format. Provides two configurable alarm clock and a calendar can be set to a square wave output. Address and data are transferred serially through an I2C bidirectional bus.

A precision temperature-compensated voltage reference and comparator circuit monitors the status of VCC to detect power failures, provide a reset output, and if necessary, automatically switch to the backup power supply. In addition, / RST pin is monitored as generating μ P reset manually.

Feature:

Save time and high precision addition, DS3231 also has some other features that extend the system host of additional features and a range of options. The device integrates a very precise digital temperature sensor, through the I2C * interface to access it (as the same time). This temperature sensor accuracy is $\pm 3^\circ\text{C}$. On-chip power supply control circuit can automatically detect and manage the main and standby power (i.e., low-voltage battery) to switch between the



5Pcs DS3231 AT24C32 IIC Re...
SFr8.41
(43)



Arduino I2C RTC DS1307 AT24...
SFr2.29
SFr3.24
(36)



5Pcs Geekreit® Tiny RTC I2C ...
SFr5.64
(66)



10pcs Geekreit® Tiny RTC I2...
SFr10.60
(9)

View History



DS3231 AT24C32 IIC
High Precision Real
SFr2.19

power supply. If the main power failure, the device can continue to provide accurate timing and temperature, performance is not affected. When the main power re-power or voltage value returns to within the allowable range, the on-chip reset function can be used to restart the system microprocessor.

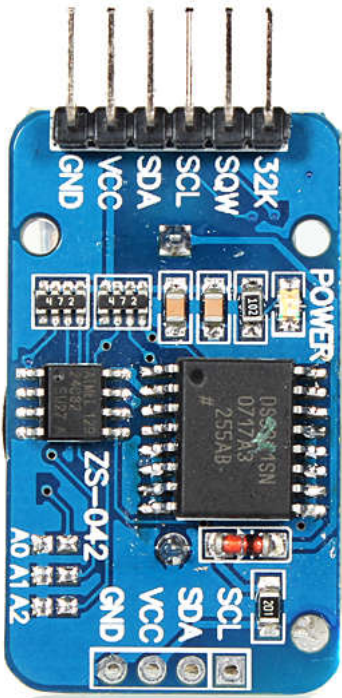
Specification:

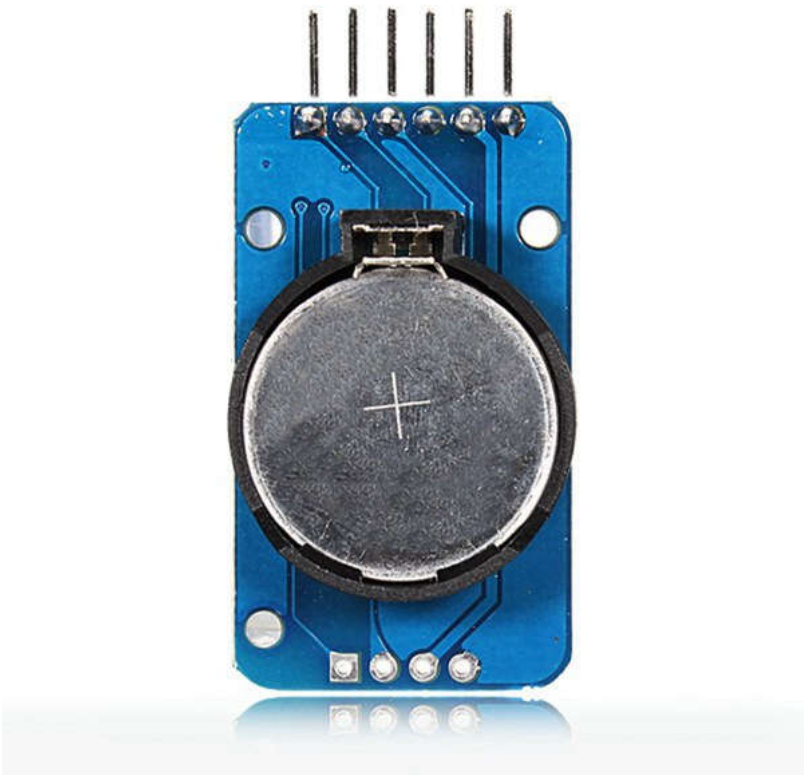
Battery: CR2032 (update on October 25th)
Size: 38mm (length) x 22mm (Width) x 14mm (height)
Weight: 8g
Operating voltage: 3.3 - 5.5V
Clock chip: High-precision clock chip DS3231
Clock Accuracy: 0-40 °C range, the accuracy 2ppm, the error was about 1 minute
Calendar alarm clock with two
Programmable square-wave output
Real time clock generator seconds, minutes, hours, day, date, month and year timing and provide valid until the year 2100 leap year compensation
Chip temperature sensor comes with an accuracy of $\pm 3^{\circ}\text{C}$
Memory chips: AT24C32 (storage capacity 32K)
IIC bus interface, the maximum transmission speed of 400KHz (working voltage of 5V)
Can be cascaded with other IIC device, 24C32 addresses can be shorted A0/A1/A2 modify default address is 0x57
Packing: single anti-static packaging

Wiring instructions (with Arduino uno r3 for example):
SCL \rightarrow A5
SDA \rightarrow A4
VCC \rightarrow 5V
GND \rightarrow GND

Package included:

1 x DS3231 AT24C32 IIC module





Customers Who View This Item Also Bought:



433Mhz RF Transmitter With Receiver Kit For Arduino ARM
SFr1.65
(340)



Geekcreit® IIC / I2C 1602 Blue Backlight LCD Display
SFr3.39
(449)



Geekcreit® Tiny RTC I2C AT24C32 DS1307 Real Time
SFr1.86
(280)




Geekcreit® UNO R3 ATmega328P Development
SFr3.98
(1544)

Reviews

5 Star	296 (97.7%)	Average Rating: 303 customer reviews Get double review points if you are one of the first 3 reviews published! Write a Review
4 Star	6 (2.0%)	
3 Star	0 (0.0%)	
2 Star	1 (0.3%)	
1 Star	0 (0.0%)	

All(315) Good(314) Bad(1) Images(17)

Top impressions: [good product \(18\)](#) [great price \(16\)](#) [good quality \(12\)](#) [easy to use \(5\)](#) [good condition \(5\)](#)



Overall:

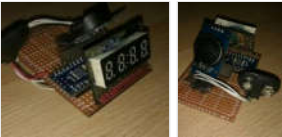
Price:

Quality:

Appearance:

Grundbaustein für die arduino Z... By: **muesse2** 2018-04-19 12:41:16

Sehr gut verarbeitet. Mit Temperaturmessung. Einfache Programmierung mit der Arduino IDE.



Comments(0) Helpful? (0) (0)



Overall:
Price:
Quality:
Appearance:

++ Uhrmodul für Arduino ++
By: cics44 2018-04-19 08:04:38
Für mein Projekt eine zuverlässige Zeitanzeige!
Comments(0) Helpful? (0) (0)



Overall:
Price:
Quality:
Appearance:

Matches description
By: rfollett 2018-04-18 21:38:07
Matches description
Comments(0) Helpful? (0) (0)



Overall:
Price:
Quality:
Appearance:

Richie
By: RichiePooz 2018-04-17 23:22:53
Good RTC module.
Comments(0) Helpful? (0) (0)

See all 315 customer reviews (newest first) ▶

1 2 3 4 5 6 7 8 9 10 ... 79 ▶

Videos

Post your videos and get Banggood points +

Customer Q&As

Search for an answer or ask a new question

Customers Who View This Item Also View:

26

15

WeMos® D1 R2 V2.1.0 WiFi
Uno Module Based ESP8266
SFr5.74
SFr5.74 (161)

10Pcs 2.5-5.5V TTP223
Capacitive Touch Switch
SFr2.74
SFr2.74 (79)

Geekcreit® NodeMcu Lua
ESP8266 ESP-12E WIFI
SFr3.38
SFr4.58 (1031)

Geekcreit® ATmega328P
Nano V3 Controller Board
SFr3.30
SFr3.88 (2233)

Snow Raindrops Humidity
Rain Weather Detect Sensor
SFr2.15
(101)

Related Searches: ▼

Subscribe To Our Email Newsletters

Get \$50 worth of coupons delivered to your inbox!

Email Address

Subscribe

App Download



Why Choose Banggood.com?

Over 200,000 products
Best bang for your buck
Professional customer service
Free or low cost shipping

Join Our Community:



Our Company	Customer Service	Payment & Shipping	Partnership Programs	Other Businesses
About Banggood.com	Contact Us	Payment Methods	Fashion Blogger Program	Blog
Return Policy	Order Tracking	Shipping Guide	Affiliate Program	Forums
Banggood Guarantees	Points & Coupons	Locations We Ship To	Wholesale Program	Mobile site
Terms And Conditions	New User Guide	Estimated Delivery Time	Drop shipping	New Gallery
Privacy Policy	Frequently Asked Questions		Review Club	
Intellectual Property Claims			Show All	
Site Map				

Copyright © 2006-2018 Banggood All Rights Reserved.

版权所有为广州棒谷科技股份有限公司 粤ICP备15016191号