



## MAX32631ICQ+W Information

Heisener.com

Part NumberMAX32631ICQ+WManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)Embedded - Microcontrollers

**Description** IC MCU 32BIT 2MB FLASH 100TQFP

Package -

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
E-mail: salesdept@heisener.com



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# **Certified Quality**

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## MAX32631ICQ+W Specifications

Manufacturer  Category  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  - Series  - Core Processor  ARM? Cortex?-M4F  Cone Size  32-Bit  Speed  96MHz  Connectivity  1-Wire, 12C, SPI, UART/USART, USB  Peripherals  Brown-out Detect/Reset, POR, PWM, TPU, WDT  Number of I/O  66  Program Memory Size  2MB (2M x 8)  Program Memory Type  FLASH  EEPROM Size  - RAM Size  Voltage - Supply (Vcc/Vdd)  1.14 V ~ 3.6 V  Data Converters  A/D 4x10b  Oscillator Type  Internal  Operating Temperature  -20°C ~ 85°C (TA)  Mounting Type  Package / Case		
Integrated Circuits (ICs)	Manufacturer Part Number	MAX32631ICQ+W
Embedded - Microcontrollers	Manufacturer	Maxim Integrated
Package         -           Series         -           Core Processor         ARM? Cortex?-M4F           Core Size         32-Bit           Speed         96MHz           Connectivity         1-Wire, 12C, SPI, UART/USART, USB           Peripherals         Brown-out Detect/Reset, POR, PWM, TPU, WDT           Number of I/O         66           Program Memory Size         2MB (2M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512K x 8           Voltage - Supply (Vcc/Vdd)         1.14 V ~ 3.6 V           Data Converters         A/D 4x10b           Oscillator Type         Internal           Operating Temperature         -20°C ~ 85°C (TA)           Mounting Type         -           Package / Case         -	Category	Integrated Circuits (ICs)
Series         -           Core Processor         ARM? Cortex?-M4F           Core Size         32-Bit           Speed         96MHz           Connectivity         1-Wire, I2C, SPI, UART/USART, USB           Peripherals         Brown-out Detect/Reset, POR, PWM, TPU, WDT           Number of I/O         66           Program Memory Size         2MB (2M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512K x 8           Voltage - Supply (Vcc/Vdd)         1.14 V ~ 3.6 V           Data Converters         A/D 4x10b           Oscillator Type         Internal           Operating Temperature         -20°C ~ 85°C (TA)           Mounting Type         -           Package / Case         -		Embedded - Microcontrollers
Core Processor         ARM? Cortex?-M4F           Core Size         32-Bit           Speed         96MHz           Connectivity         1-Wire, 12C, SPI, UART/USART, USB           Peripherals         Brown-out Detect/Reset, POR, PWM, TPU, WDT           Number of I/O         66           Program Memory Size         2MB (2M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512K x 8           Voltage - Supply (Vcc/Vdd)         1.14 V ~ 3.6 V           Data Converters         A/D 4x10b           Oscillator Type         Internal           Operating Temperature         -20°C ~ 85°C (TA)           Mounting Type         -           Package / Case         -	Package	-
Core Size       32-Bit         Speed       96MHz         Connectivity       1-Wire, I2C, SPI, UART/USART, USB         Peripherals       Brown-out Detect/Reset, POR, PWM, TPU, WDT         Number of I/O       66         Program Memory Size       2MB (2M x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       512K x 8         Voltage - Supply (Vcc/Vdd)       1.14 V ~ 3.6 V         Data Converters       A/D 4x10b         Oscillator Type       Internal         Operating Temperature       -20°C ~ 85°C (TA)         Mounting Type       -         Package / Case       -	Series	-
Speed         96MHz           Connectivity         1-Wire, I2C, SPI, UART/USART, USB           Peripherals         Brown-out Detect/Reset, POR, PWM, TPU, WDT           Number of I/O         66           Program Memory Size         2MB (2M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512K x 8           Voltage - Supply (Vcc/Vdd)         1.14 V ~ 3.6 V           Data Converters         A/D 4x10b           Oscillator Type         Internal           Operating Temperature         -20°C ~ 85°C (TA)           Mounting Type         -           Package / Case         -	Core Processor	ARM? Cortex?-M4F
Connectivity 1-Wire, I2C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, POR, PWM, TPU, WDT Number of I/O 66 Program Memory Size 2MB (2M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512K x 8 Voltage - Supply (Vcc/Vdd) 1.14 V ~ 3.6 V Data Converters A/D 4x10b Oscillator Type Internal Operating Temperature -20°C ~ 85°C (TA) Mounting Type - Package / Case -	Core Size	32-Bit
Peripherals  Brown-out Detect/Reset, POR, PWM, TPU, WDT  Number of I/O  66  Program Memory Size  2MB (2M x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  512K x 8  Voltage - Supply (Vcc/Vdd)  1.14 V ~ 3.6 V  Data Converters  A/D 4x10b  Oscillator Type  Internal  Operating Temperature  -20°C ~ 85°C (TA)  Mounting Type  - Package / Case  Brown-out Detect/Reset, POR, PWM, TPU, WDT  A6  Brown-out Detect/Reset, POR, PWM, TPU, WDT  Hornal  2MB (2M x 8)  FLASH  F	Speed	96MHz
Number of I/O  Program Memory Size  2MB (2M x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  512K x 8  Voltage - Supply (Vcc/Vdd)  1.14 V ~ 3.6 V  Data Converters  A/D 4x10b  Oscillator Type  Internal  Operating Temperature  -20°C ~ 85°C (TA)  Mounting Type  -  Package / Case  -	Connectivity	1-Wire, I2C, SPI, UART/USART, USB
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  RAM Size  S12K x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 4x10b  Oscillator Type  Operating Temperature  Operating Type  Package / Case  2MB (2M x 8)  FLASH  FLASH  -  Internal  -  -  -  -  -  -  -  -  -  -  -  -  -	Peripherals	Brown-out Detect/Reset, POR, PWM, TPU, WDT
Program Memory Type FLASH  EEPROM Size -  RAM Size 512K x 8  Voltage - Supply (Vcc/Vdd) 1.14 V ~ 3.6 V  Data Converters A/D 4x10b  Oscillator Type Internal  Operating Temperature -20°C ~ 85°C (TA)  Mounting Type -  Package / Case -	Number of I/O	66
EEPROM Size - Supply (Vcc/Vdd) 512K x 8  Voltage - Supply (Vcc/Vdd) 1.14 V ~ 3.6 V  Data Converters A/D $4x10b$ Oscillator Type Internal  Operating Temperature -20°C ~ $85$ °C (TA)  Mounting Type - Package / Case -	Program Memory Size	2MB (2M x 8)
RAM Size 512K x 8  Voltage - Supply (Vcc/Vdd) 1.14 V ~ 3.6 V  Data Converters A/D $4x10b$ Oscillator Type Internal  Operating Temperature -20°C ~ $85$ °C (TA)  Mounting Type -  Package / Case -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.14 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 4x10b$ Oscillator Type $Internal$ Operating Temperature $-20^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$ Package / Case $-$	EEPROM Size	-
Data Converters A/D $4x10b$ Oscillator Type Internal  Operating Temperature $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Mounting Type $-$ Package / Case $-$	RAM Size	512K x 8
Oscillator Type  Internal  Operating Temperature  -20°C ~ 85°C (TA)  Mounting Type  - Package / Case  -	Voltage - Supply (Vcc/Vdd)	1.14 V ~ 3.6 V
Operating Temperature -20°C ~ 85°C (TA)  Mounting Type -  Package / Case -	Data Converters	A/D 4x10b
Mounting Type - Package / Case -	Oscillator Type	Internal
Package / Case -	Operating Temperature	-20°C ~ 85°C (TA)
	Mounting Type	-
Sunnier Device Package	Package / Case	-
Supplied Device Lackage	Supplier Device Package	-
Report errors?		Report errors?

## MAX32631ICQ+W Guarantees



### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### MAX32631ICQ+W Payment Methods



















### MAX32631ICQ+W Shipping Methods













If you have any question about MAX32631ICQ+W, please do not hesitate to contact us!

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