

Shenzhen Geniatech Co.,Ltd.

Smart Home Gateway Specifications

MODEL:GTW320



Confirmation

REVISION HISTORY					
VERSION	DATE	BOARD ID	PAGE	DESCRIPTION	AUTHOR
V1.0	2024/04/26	REA240329_V1_0	7	specification	

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1. Product Introduction

GTW320 Using embedded low energy consumption dual-core application processor, is a multi-function smart home IoT Internet gateway, highly integrated wireless communication (WiFi, bluetooth, Zigbee) processing capacity, plus ethernet interface, can easily build smart home network, using industrial wireless technology and the highest level of encryption to ensure the smart home network security, can be widely used in smart home, communication, intelligent medical, Internet gateway solutions.

- Highly integrated wireless communication function, support a variety of wireless communication IEEE802.11 b / g / n, low-power Bluetooth 5.0, Zigbee3.0, etc.
- Using LAN, WiFi network to connect to the home network, or through the 4G connection to the Internet, you can easily remotely control the home smart devices
- Support for different popular connections, including ZigBee, Bluetooth, WiFi commonly used in home smart devices
- Support Matter protocol
- Use industrial-grade wireless technology and the highest level of encryption to secure smart home networks.
- SDKs integrated with third-party iot cloud solutions, including Azure and AWS.

2. Product Pictures

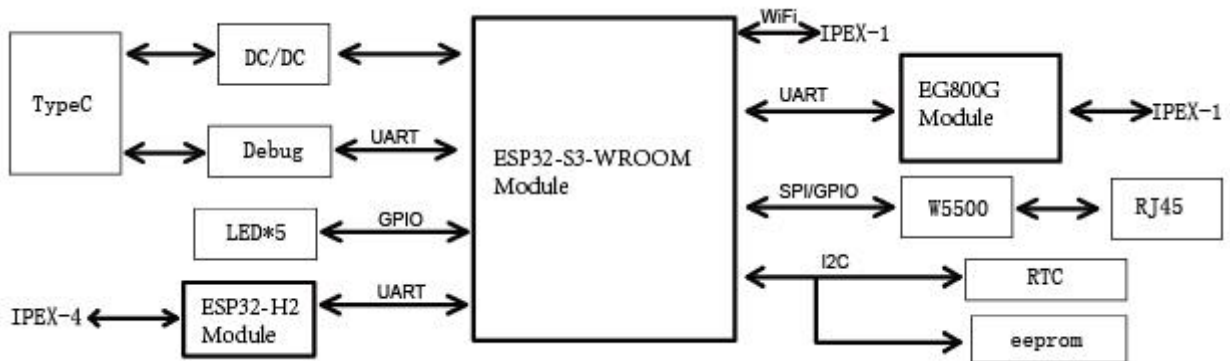
The following images are for reference only:



Dimension Drawing



3. Hardware Block Diagram



4. Product Features

SoC	CPU	Xtensa 32bit LX Dual core processor
Storage	RAM	8MB PSRAM
	Flash	4MB Flash
Network	Built-in WiFi	802.11 b/g/n Frequency Range : 2412--2484MHz
	Bluetooth	Bluetooth 5.0
	4G	Cat1
	Ethernet (LAN)	1*RJ45 100Mbps LAN
	Zigbee	3.0
Other Interface	LEDs	x 5 (Power,4G,Ethernet, IoT, Status,)
	DC 5V	X 1 Type C USB Debug
	Key	x 1 Reset
Electrical Parameters	Working Voltage	DC:+5V
	Power Consumption	≤ 2 W(for reference only)
Environmental Parameters	Operating temperature / humidity	-10~ +65℃ 10--90%RH No condensation
	Storage temperature / humidity	-20 ~ +70℃ 10% - 95% No condensation
Mechanical Parameters	Size (mm)	84*72*26
	Weight (g)	120

5. Interface Definition Description



No.	Functionality	Remark
1	Type C (DC 5V power supply input, debugging serial port)	
2	RJ45 10/100M	
3	Power,WAN,IoT,Status,Wi-Fi LED	

6. Product Model Function Description

Features Model	WiFi-2.4G	Bluetooth	Ethernet	Zigbee	4G Cat1
GTW320	√	√	√	√	--
GTW320-I	√	√	√	√	√

7. Precautions For Use

- Do not squeeze, bend, or disassemble the board.
- Keep circuit boards away from static electricity.
- Do not allow water or other liquids to come into contact with the board
- Clean the board with a soft, dry towel or brush.
- Do not use long connection cables, which may affect performance and image quality

More Help

Sales E-mail: sales@geniatech.com

Technical E-mail: support@geniatech.com

Technical Hotline: (+86)0755-8602-8588

Official Website: www.geniatech.com

Official Mall: <https://shop.geniatech.com>