

High-Performance IoT Gateway

GTW410 HUB



GTW410 HUB is a high-performance IoT gateway with Qualcomm Snapdragon 410 processor. Integrated HDMI output, wireless network, wired network port, USB2.0 interface, TF card and other interfaces, but also through USB support external RF module. Supports ZigBee, Z-Wave, Wi-Fi and BLE communication protocols to achieve remote data acquisition and remote control functions. Industrial aluminum shell and wireless technology and the highest level of encryption to ensure network security. The internal open architecture and system scalability can be applied to building automation, smart home control, industrial control, digital signage, intelligent monitoring and other iot industries.

High performance processor

Qualcomm Snapdragon 410E ARM® Cortex® A53 processor, Maximum frequency to 1.2GHz, supports 32 and 64bit.

Camera

Support 13MP camera, support wavelet denoising, JPEG decoding and other hardware-level post-processing techniques.

Support system diversification

Android, Linux, Windows 10 IoT Core

Customization

• Hardware interface functions • Software functions. • Structure design

Excellent Graphics Processing Skills

Qualcomm® Adreno™ 306 Graphics processing chip, PC-level graphics processing capability.

Compatibility

Separate housing, compact and lightweight
Multiple Mezzanine boards (optional)

Wide range of applications

Applications in the communications, smart home, smart healthcare, Internet of Things (IoT) applications

Enterprise service

Provide comprehensive quality assurance, technical support and mass production services

Product information



CPU	Qualcomm Snapdragon 410E; Quad core
GPU	Qualcomm® Adreno™ 306
CPU Frequency	1.2GHz
Internal Memory	1GB/2GB LPDDR3 533MHz
Internal Storage	8GB/16GB eMMC 5.0
OS	Android 6.0 Linux based on Debian Windows 10 IoT core
RTC	Support (All series, all system platforms)
Bluetooth	4.1
Built-in WiFi	WLAN 802.11 b/g/n 2.4GHz
Ethernet port	RJ45 10/100Mbps
GPS	Yes
USB Interface	2x USB 2.0 Type A (host mode only), 1x USB 2.0 Micro B (device mode only)
Micro SD Card Slot	1
Display	HDMI 1.3 – HDMI full-size type A connector (1080p HD @ 30 fps), 1x MIPI-DSI 4-lane, up to 720p 60fps or 1080p 30fps for optional display/touch
Expansion connector	1x Mezzanine boards 40 pin Low-Speed connector • UART, SPI, I2S, I2C x2, GPIO x12, DC power 1x Mezzanine boards 60 pin High-Speed connector • 4L-MIPI DSI, USB, I2C x2, 2L+4L-MIPI CSI 1x 16-pin Analog expansion connector • Headphone output, Class-D speaker driver output, Microphone input, FM RX Antenna
Antenna(External)	1x WiFi&Bluetoot shared antenna
Size (mm)	122*70*22mm
Operating Temp	-10°C to +85°C
Power	DC:+6.5V to +18V