Brickcom | BEYOND WHAT YOU SEE

Azure Ready WiFi-BLE IoT Module

ITM-2262-Azure

Simplify security with built-in controls – Protect your workloads quickly with built-in controls and services in Azure across identity, data, networking, and apps.

Detect threats early with unique intelligence – Identify new threats and respond quickly with services that are informed by real-time global cybersecurity intelligence delivered at cloud scale.

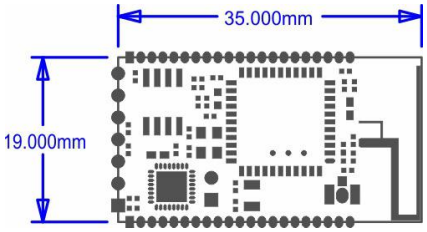
Increase Developer Velocity with open source on Azure – Being able to leverage open-source tools also allows us to operate faster.

Substantial savings compared to other clouds – Save big with Azure offers.

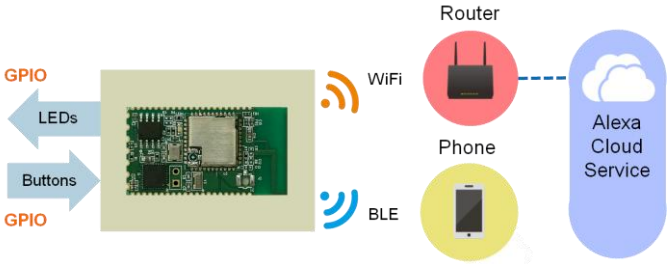
Free enterprise-grade cost management tools – Keep costs in control with sophisticated tools.

- Built-in 512KB ROM +160KB SRAM
- Filter capacitors and RF matching links
- Provides 2.4 GHz 802.11 b/g/n
- Bluetooth and Bluetooth Low Energy connectivity to the host MCU
- Comes with a PCB antenna
- The host MCU can be connected to the module through a UART interface. If the module is LTE module, the host MCU can be connected to network via LTE module.

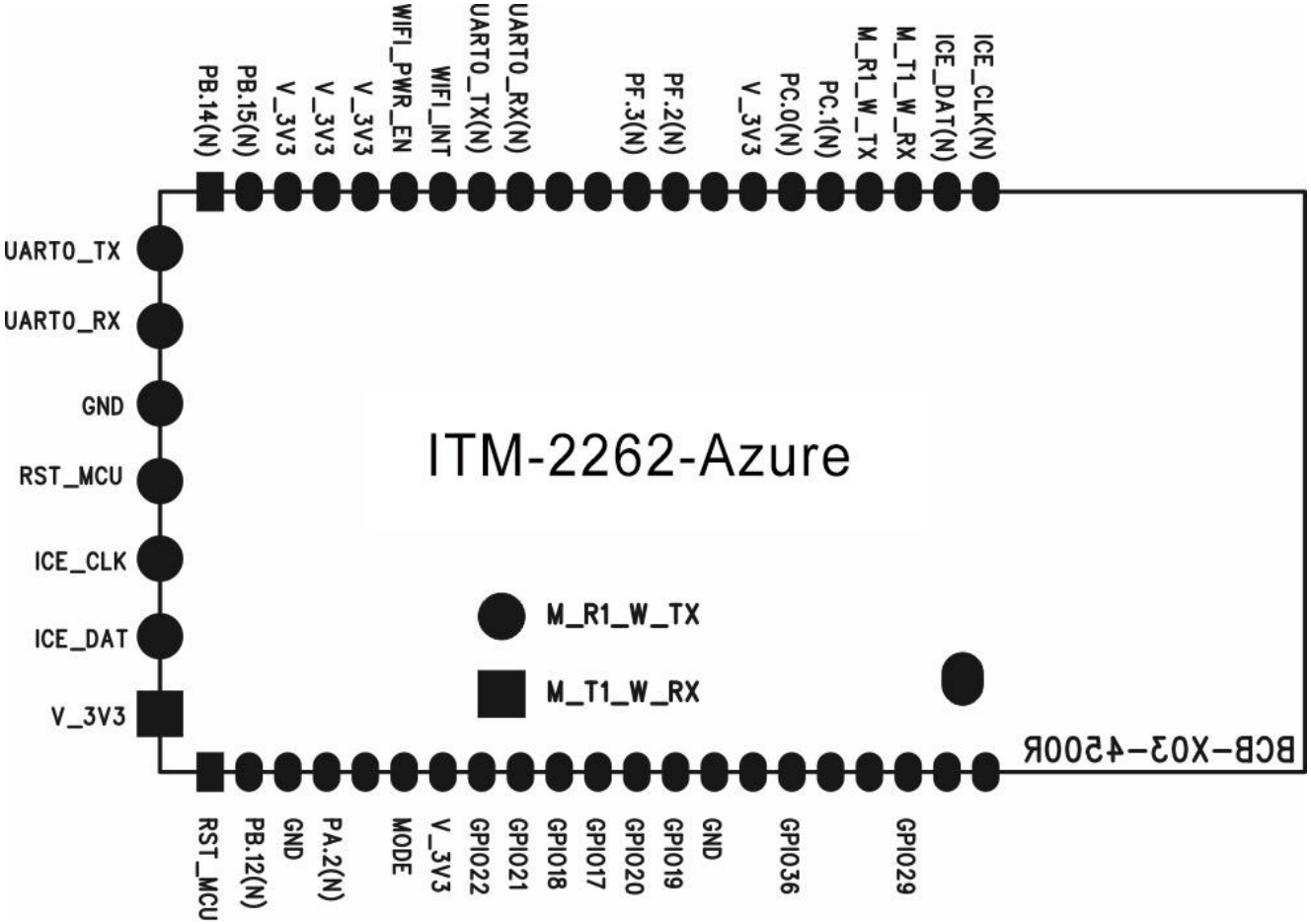
Dimension:



Application:



General Specification	
CPU	Embedded nuvoTon M482ZIDAE
Flash	8Mbit, SPI Flash
Memory	Built-in 512KB ROM +160KB SRAM
Function	2.4GHz WLAN + BLE 5.0
Wifi Standard	802.11b/g/n 1T1R
BLE Standard	Bluetooth 5.0 Low Energy
Antenna_Type	PCB Antenna IPEX Connector
Tx Power	802.11b: 18dBm 802.11g: 14dBm 802.11n: 14dBm BLE: 5dBm
Rx Sensitivity	802.11b: -88dBm (11Mbps) 802.11g: -73dBm (54Mbps) 802.11n: -69dBm (HT40,MCS7) BLE: -91dBm
I/O Interface	GPIO, PWM, UART, I2C, SPI, ADC,...
Security	WEP 64/128, WPA, WPA2, WPA3
Dimension	35mm(L)*19mm(W)*3.0(H) mm
Power Range	3.0VDC~3.6VDC

© 2022 Brickcom Corporation, All rights reserved. This document is for the planning purposes only, and is subject to change without notice.

PIN Definition::