

Wi-Fi Bluetooth LE Transparent Transmission Module **ME16WS02**



Datasheet

V 1.0.0



ME16WS02-BK7238

Multifunctional, cost-effective, supports Bluetooth network configuration, AT command configuration

ME16WS02 is a multifunctional, cost-effective wireless Wi-Fi 4 + BLE 5.2 combination module based on BK7238 SoC. This module supports Wi-Fi 4 + BLE 5.0, equipped with 32-bit MCU, the operating frequency up to 160MHz. In addition, it also has 228KB+2MB SiP Flash large program space 288KB RAM, integrated 2.4GH transceiver, LNA and other powerful supporting resources to provide a perfect solution for 2.4G Wi-Fi/BLE data connection and one-click network configuration. The actual high interference condition test distance can reach 100m.

FEATURES



2.4G
WiFi4(802.11b/g/n)+BLE5.2



High operating
speed up to 160MHz



Supports AP, STA,
AP+STA Mode



Supports AT
command configuration




SmartConfig provisioning,
and airkiss provisioning


KEY PARAMETER

ME16WS02			
Chip Model	BK7238	Antenna	PCB/ IPEX
Module Size	20.9×15×3mm	GPIO	19
Flash	2MB	RAM	288KB
Receiving Sensitivity	-99dBm	Transmission Power	19dBm
Current(TX)	270mA	Current(RX)	42mA
Firmware	AT Firmware		


APPLICATION




Smart
Home




Consumer
Electronics




Automotive
Devices



Security
Equipment



Intelligent
Wearable Device



Smart
Agriculture

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2 RELATED DOCUMENTS

- MinewSemi_Product_Naming_Reference_Manual_V1.0
https://en.minewsemi.com/file/MinewSemi_Product_Naming_Reference_Manual_EN.pdf
- MinewSemi_Connectivity_Module_Catalogue_V2.0
https://en.minewsemi.com/file/MinewSemi_Connectivity_Module_Catalogue_EN.pdf



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