MT7688AN BIT3.1 Module

SKU 113990663

PRODUCT DETAILS

BIT3.1 is a module based on MT7688AN, which brings out all PINs and maximizes the performance of MT7688.
The software is based on Linux distributions such as OpenWrt, providing a wealth of peripherals and storage space.
Software resources are kept in common with NEO, and BIT 3.1 is an improved version of BIT3.

BIT3.1 VS BIT3, We made the following optimization:
1. Ipex adjusts the direction to prevent short circuit of the antenna caused by manual soldering
2. Rxd0 increases the pull-up resistor to prevent floating interference commands
3. Cs1 comes with pull-up according to 16 and 32 core boards
4. The capacitors on the original back are placed on the front side, and the back plate is not punched in the future.
5. CPURST_N RC reset circuit has been involved on the core board
6. Pull-up resistor of WPS pin is moved to the core board
7. VDD_FLASH supply diode moved to the core board
8. Relatively no change in BIT3 price
9. Fully compatible

Features

- MT7688AN MIPS CPU 580MHz
- BIT16CY，16MB FLASH，SOP8
- BIT32CY，32MB FLASH，WSON-8
- 128MByte DDR2 RAM
- 150Mbps Wi-Fi 1T1R 802.11bgn
- 100Mbps Ethernet
- GPIOS
- SPI CS0，CS1
- UART0(Default Console)，UART1，UART2
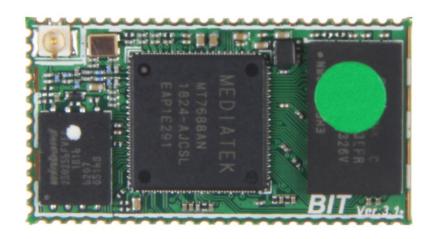- PWM0-3
- I2S
- USB2.0 HOST
- SDIO
- PCI-E

ECCN/HTS

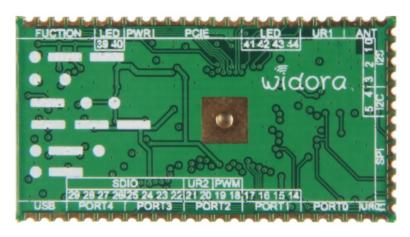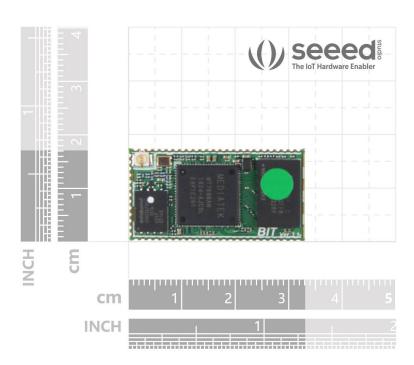|	
HSCODE	8517709000
USHSCODE	85177000
UPC	

LEARN AND DOCUMENTS

Documentations

bit345lib-ad15.zip
widora-bit-datasheetv09.pdf
size
pins
bit3.dxf.zip

https://www.seeedstudio.com/MT7688AN-BIT3-1-Module-p-4011.html/8-21-20