

Operational Description

The product is an wifi robot vacuum cleaner for vacuuming dust. It only has an wifi module for connecting with APP,BMI-160 is gyro chip. STM32F103vet6 is the main MCU chip STM32F103C8T6 is gyro control IC, DKA120 voice chip. Graffiti WR1wifi module

Remoter communication with cleaner by infrared

There is a 8MHz and 32.768KHz crystals in main board.

For Wi-Fi Module:

Antenna Gain	2.5dBi
Antenna Type	PIFA Antenna
Channel Spacing	5MHz
Modulation Type	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels	802.11b/g/n(HT20):11
Operation Frequency	802.11b/g/n(HT20): 2412MHz to 2462MHz
Crystal	40MHz