

IPC COMM User Manual
IEEE 802.11b/g/n Bluetooth Module

Features:

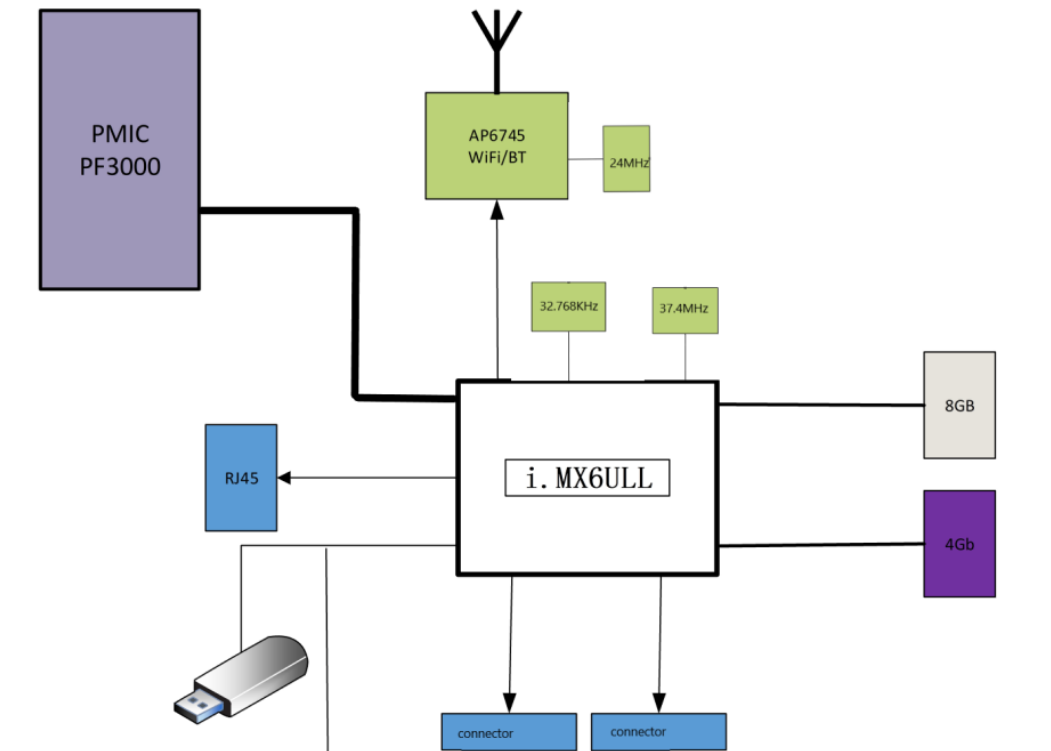
- **Supported Technology**
 - IEEE Std. 802.11b
 - IEEE Std. 802.11g
 - IEEE Std. 802.11n
 - Bluetooth Low Energy
- **Chip Solution**
 - AP6745
- **Size**
 - 120mm*70mm*2mm



1. Brief description:

IPC COMM module designed base on AP6745 chip solution, The SOC module is a highly intelligent platform for the Internet of Everything that contains a low-power Wi-Fi connectivity and bluetooth solution on one package. It includes a number of TCP/IP based connectivity protocols along with SSL, enabling a low-cost, low-complexity system to obtain full-featured internet connectivity and reliable information exchange.

1.1 Block Diagram



1.2 Specification Reference

This specification is based on additional references listed below.

IEEE Std 802.11 b/g/n

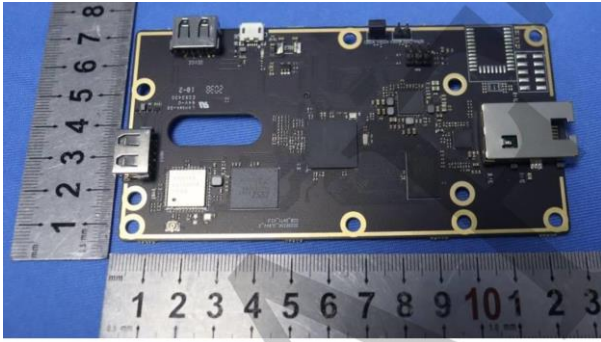
Bluetooth Low Energy

1.3 System Feature

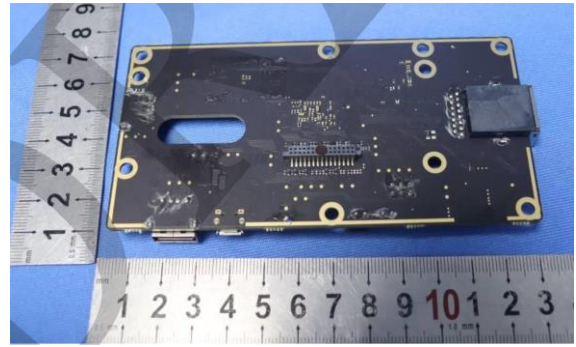
No.	Feature	Description
1	Main Chip	AP6745
2	Frequency Band	2412MHz-2462MHz
3	Modulation	WIFI:11b: DBPSK, DQPSK, CCK 11g: BPSK, QPSK, 16QAM, 64QAM 11n: BPSK, QPSK, 16QAM, 64QAM
4	Data rates	11b: 1, 2, 5.5 and 11Mbps 11a/g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps 11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65 Mbps
5	Antenna Type	Dipole antenna
6	Operation Voltage	5V +/-10%

No.	Feature	Description
1	Main Chip	AP6745
2	Frequency Band	2402MHz-2480MHz
3	Modulation	GFSK
4	Data rates	1 Mbps
5	Antenna Type	Dipole antenna
6	Operation Voltage	5V +/-10%

1.4 Product Pictures



TOP VIEW



BOTTOM VIEW