



GM9601

WiFi SiP Module

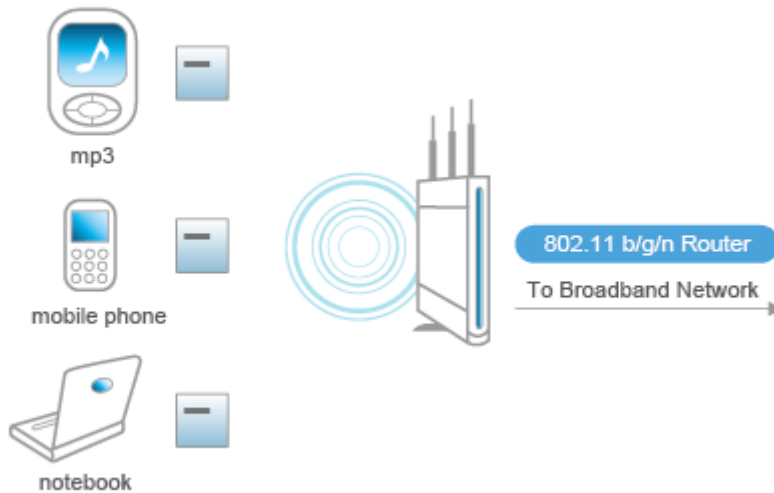
AMPAK introduces a low-cost and low-power consumption module which combines WiFi functions. The highly integrated GM9601 module allows the usage of web browsing, VoIP, and headset applications.

The WiFi SiP module supports IEEE 802.11 b/g standard and it can provide up to 54Mbps for IEEE 802.11g , or 11Mbps for IEEE 802.11b to connect your wireless LAN. WLAN interfaces to the host system via the SDIO interface.

Main Features

- Small Form Factor: 8.8 x 8.8 x 1.45 mm
- Windows CE and Linux driver support
- No external clock source needed
- SDIO (1bit/4bit) / SPI interface
- RoHS compliant / Lead free

- IEEE 802.11g/b
- SDIO(1bit and 4 bit)/SPI
- Dimension = 8.8 x 8.8 x 1.45 mm
- High-speed wireless connection to 54Mbps
- ROHS compliant/Lead Free
- No external clock source needed





General Specifications

Product Name GM9601	RF transmit power 802.11b - 13.0 dBm +/-1.5dBm
Dimensions 8.8 x 8.8 x 1.45 mm	802.11g - 13.0 dBm +/-1.5dBm
Host Interface SDIO 4-bit / SPI	RF receive sensitivity 802.11g - 54Mbps PER<10% @ -68 dBm, typical 802.11b - 11Mbps PER<8% @ -84 dBm typical
Package 36 pin LGA	Power consumption (RMS) 802.11g - Continue TX: 195mA@3.3V (Burst) Continue RX: 290mA@3.3V (Burst) 802.11b - Continue TX: 195mA@3.3V (Burst) Continue RX: 195mA@3.3V (Burst)
Operating Voltage 3.3V +/- 10 % 1.8V +/- 5%	Deep sleep mode: < 1mA
Frequency Band 802.11b - ISM band 2.400 ~ 2.484GHz 802.11g - ISM band 2.400 ~ 2.484GHz	Supplied Driver Windows CE 5.0 / 6.0; Linux 2.6.X
Number of Channel USA and Canada – 13 Most European countries – 13 Japan – 14	Standards IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g
Spreading 802.11b: DSSS 802.11g: OFDM	Warranty 1 year
Modulation 802.11g - 64 QAM, 16 QAM, QPSK, BPSK 802.11b - CCK, DQPSK, DBPSK	Temperature -10 ~ 60°C (Operating); -40 ~ 85°C (Storage)
Security WEP (64/128 bits) WPA (TKIP + 802.1X) 802.11i (AES, TKIP, 802.1X)	Humidity Operating Humidity 10% to 95% Non-Condensing Storage Humidity 5% to 95% Non-Condensing
	Data Rate 802.11b - 11, 5.5, 2, 1 Mbps, auto fallback for extended range 802.11g - 54, 48, 36, 24, 18, 12, 9, 6 Mbps, auto fallback for extended range