

WL-818F

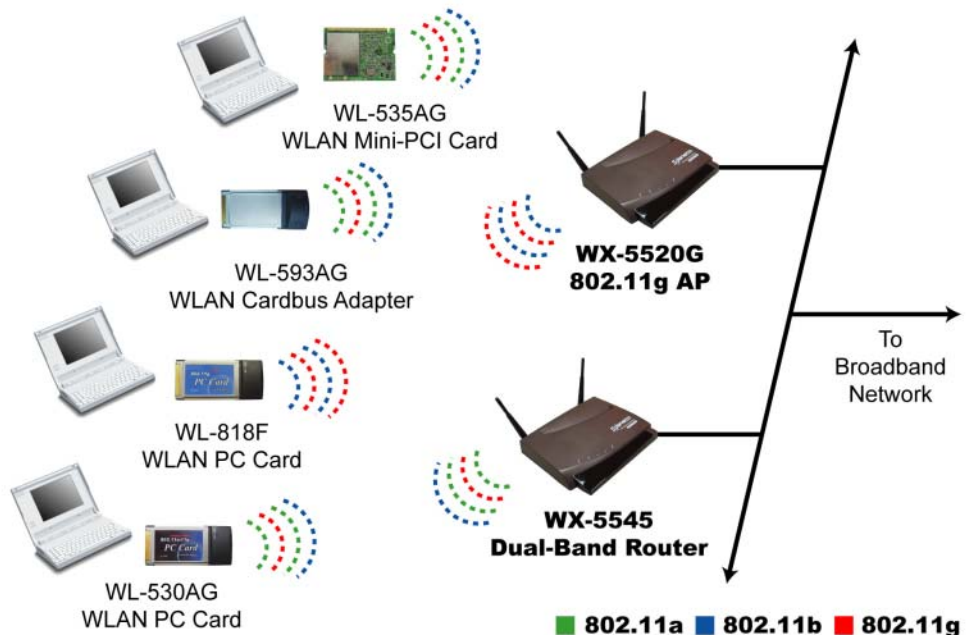
54 Mbps/ 11Mbps Wireless LAN PC Card



Gemtek WL-818F is a wireless PC card (Type II) featuring high-speed and enhanced security. WL-818F has both 802.11b and proposed 802.11g standard built in. With it, you can easily connect to existing 802.11b infrastructure, and also new high-speed 802.11g network.

- **802.11b Compliance - Interoperable with any 802.11b-compliant wireless device**
- **Delivering the fastest possible data rate defined by the proposed 802.11g draft specification**
- **Wi-Fi compatible**
- **Data and network security with 64-bit or 128-bit WEP data encryption**
- **High performance 32-bit cardbus (PC Card Type II) interface to host**
- **Easy to install and use**

WL-818F is compliant to 802.11g standard (draft), which is almost five times faster than 802.11b standard. Since sharing the same 2.4 GHz radio band, WL-818F also works with popular 802.11b wireless network. With this PC card, you can connect to a wireless network over standard 32-bit PC card (Type II) architecture for optimal performance capability. WL-818F also ensures you a reliable wireless data transfer. It supports 64/128-bit Wired Equivalent Privacy (WEP) data encryption.



General Specifications

Product Name 54 Mbps/ 11Mbps Wireless LAN PC Card	Transmit Power 802.11b: typical 16.5dBm at 1 ~ 11Mbps
Model Number WL-818F	Receive Sensitivity 802.11b
Spreading 802.11b: DSSS 802.11g: OFDM	Typical 85 dBm at 11Mbps 802.11g - 6Mbps 10-5 BER at -88dBm - 9Mbps 10-5 BER at -86dBm - 12Mbps 10-5 BER at -85dBm - 18Mbps 10-5 BER at -83dBm - 24Mbps 10-5 BER at -79dBm - 36Mbps 10-5 BER at -76dBm - 48Mbps 10-5 BER at -70dBm - 54Mbps 10-5 BER at -69dBm
Frequency Range 802.11b 2.4 ~ 2.4835GHz (subject to local regulations) 802.11g 2.4 ~ 2.4835GHz (subject to local regulations)	
Number of Channels 802.11b: USA, Canada and Taiwan – 11 Most European Countries – 13 France – 4 Japan – 14 802.11g: USA and Canada – 11 Most European countries – 13 Japan – 14	Security 64/128-bit WEP Encryption
Data Rate 802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps	Antenna Internal 2.4GHz printed antenna Diversity: TBD
Network Protocol TCP/IP, IPX, NDIS4, and NDIS5 ,NDIS 5.1	Humidity 10%~85%(operating), 5%~90% (storing)
Standards 802.3, 802.3u, 802.11b, 802.11g draft standard, Wi-Fi compliant	Temperature Range 0~60°C(operating), -20~80°C (storing)
Modulation 64 QAM, 16 QAM, CCK,QPSK, BPSK	LED Indicators Activity, Network link
	Power Adapter DC 3.3V ± 5%
	Operating Voltage 3.3V±5%