

## Operational Description of the equipment

PC54G(MS-6825) Wireless 11g PCI Card, compliant with IEEE802.11g, is a high-efficiency wireless adapter for wireless networking at home, in office or in public places. The data transmission rate can be up to 54 Mbps and auto-negotiated to 48, 36, 24, 18, 12, 9, 6 Mbps(IEEE802.11g), or 11, 5.5, 2, 1 Mbps (IEEE802.11b).

With PC54G(MS-6825), you can roam between conference room and office without being disconnected the LAN cables; in addition, sharing files and printers can be easy tasks.

The PC54G (MS-6825) is available to Microsoft Windows operating systems (Windows<sup>®</sup> XP/2000/ME/98SE) and can be integrated into networking with either Ad-hoc mode (computer-to computer, without an Access Point) or Infrastructure mode (computer-to-access point, an Access Point is required).

<b>PRODUCT</b>	Wireless 11g PCI Card
<b>MODEL NO.</b>	MS6825
<b>MARKETING NAME</b>	PC54G
<b>POWER SUPPLY</b>	3.3V from PCI slot of PC system
<b>CABLE</b>	RG178
<b>I/O PORT</b>	PCI interface
<b>FREQUENCY BAND</b>	2.4~2.4835 GHz
<b>CARRIER FREQUENCY</b>	CH1: 2412MHz~CH14: 2484MHz
<b>NUMBER OF CHANNEL</b>	14
<b>CHANNEL SPACING</b>	± 25 MHz spacing
<b>RATED RF OUTPUT POWER</b>	13.03dBm
<b>I.F. &amp; L.O.</b>	
<b>MODULATION TYPE</b>	BPSK/QPSK/CCK/OFDM
<b>BIT RATE OF TRANSMISSION</b>	<54Mbps
<b>ANTENNA TYPE</b>	Single dipole external and removable antenna
<b>ANTENNA GAIN</b>	Maximum Gain <= 0.5 dBi