

## Operational Description of the equipment

MSI MS-6833B, the Wireless 11g miniPCI Card, is a Type IIIB card, which can be used to integrate with such systems as notebook, mini-barebone and portable PC. With MSI MS-6833B embedded inside, a system could provide users with the ability and flexibility to connect up to Internet wirelessly via 802.11g with speed up to 54Mbps.

MSI MS-6833B is taking advantage of leading technologies from Ralink. It addresses WLAN (Wireless Local Area Network) markets by providing true simultaneous connectivity while deploying IEEE 802.11g. Along with this solution, a system installed in a single card is able to offer capability of WiFi mode. It will benefit system vendors in miniaturization of system dimension and BOM cost reduction, as well as also make users happy with the all-in-one functionality.

<b>PRODUCT</b>	Wireless miniPCI Card
<b>MODEL NO.</b>	MS-6833B
<b>POWER SUPPLY</b>	DC 3.3V, 410mA
<b>FREQUENCY BAND</b>	2.4 ~ 2.4835 GHz
<b>NUMBER OF CHANNEL</b>	11
<b>CHANNEL SPACING</b>	20MHz
<b>RATED RF OUTPUT POWER</b>	EIRP $\leq$ 20 dBm
<b>I.F. &amp; L.O.</b>	I.F.: 374 MHz; L.O.: 2730-2900MHz
<b>MODULATION TYPE</b>	OFDM, CCK
<b>BIT RATE OF TRANSMISSION</b>	1Mbps
<b>DUTY CYCLE</b>	10%
<b>MODE OF OPERATION</b>	duplex
<b>BIT RATE/SPEED OF TRANSMISSION</b>	11B: 1, 2, 5.5, 11Mbps; 11G: 6, 9, 12, 18, 24, 36, 48, 54Mbps
<b>ANTENNA TYPE</b>	Dipole, PIFA