

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.

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