54/108 Mbps Wireless PCI Card

Signamax 065-1795 let you connect your desktop computer to a wireless network, and is suitable for small offices, home offices and places where cable can not be installed. At transfer rates of up to 54 Mbps and 108 Mbps turbo mode in the 2.4 GHz frequency range, users connected will enjoy faster downloads and truly instant email communication.

For more secure communication, the 065-1795 supports the encryption settings up to 152-bit WEP, and advanced security of WPA and AES. With its web-based configuration the Access Point is easy to install, alter or activate advanced setting, or update with the latest firmware.

FEATURES

- **Fully Compliant with IEEE 802.11b and 802.11g Standard High-Speed Data Rate**
- **High-speed Wireless Connection Up to 108 Mbps Data Rate**
- **Support 64/128/152 bit WEP and WPA Encryption for Advanced Transfer Security**
- **Support Open System (OSA) and Shared Key Authentication (SKA) for Advanced Security**
- **Support both Ad-hoc Mode and Infrastructure Mode**
- **Seamless Roaming Function for Full Mobility: Automatic or Manual Rescan to associate with Access Point**

54/108 Mbps Wireless PCI Card

PART NO.	DESCRIPTION
065-1795	54/108 Mbps wireless PCI Card with external antenna connector

SPECIFICATIONS

STANDARDS
IEEE 802.11g, IEEE 802.11b
Modulation Type: BPSK, QPSK, 16 QAM, 64 QAM, OFDM
Frequency Band: 24–24,835 GHz ISM band
Operating Channels: 11 for N. America, 14 Japan, 13 Europe (ETSI), 2 Spain, 4 France
Data Rate: 802.11g: 108, 54, 48, 36, 24, 18, 12, 9 and 6 Mbp, 802.11b: 11, 5.5, 2, and 1 Mbps
Media Access Protocol: CSMA/CA with ACK

TRANSMITTER OUTPUT POWER
Typical RF Output Power at each Data Rate
+10 – 14 dBm at 54 Mbps; +11 – 15 dBm at 48 Mbps;
+13 – 15 dBm at 36 Mbps;
+17 – 18 dBm at 24, 18, 12, 9, and 6 Mbps

RECEIVER SENSITIVITY
Typical Sensitivity at Which Frame (1000-byte PDUs) Error Rate = 10%
-87 dBm at 6 Mbps; -86 dBm at 9 Mbps;
-85 dBm at 12 Mbps; -83 dBm at 18 Mbps;
-80 dBm at 24 Mbps; -76 dBm at 36 Mbps;
-71 dBm at 48 Mbps ; -66 dBm at 54 Mbps
External Antenna: Omni-directional dipole antenna with 2 dBi
Internal Consumption: Provides provision for an Internal Antenna attach (optional)

FORM FACTOR AND INTERFACE
PCI Local Bus 2.2 Compliance
Low-profile and half-length (PCI Raw Variable Height Short Card)
PCI 32-bit Interface
Operating Voltage: 5VDC +/- 10%

LEDs
Power LED, Network LED

GENERAL INFORMATION
General Information shows the name of Wireless Adapter, Adapter MAC Address, Regulatory Domain, Firmware Version and Utility Version

CURRENT LINK INFORMATION
Current Link Information shows the Current Setting ESSID, Channel Number, Associated BSSID, Network Type (infrastructure or Ad-hoc network), WEP Status (enable or disable), Link Status (Connect or Disconnect), 802.11g Transmit Speed (6, 9, 12, 18, 24, 36, 48, 54, and 108 Mbps), 802.11b Transmit Speed (1, 2, 5.5, 11 Mbps), Signal Strength, and Link Quality.

ESS ID
Input an SSID number if the roaming feature is enabled
Supports for ASCII printable characters

NETWORK TYPE
Ad-hoc Mode and 802.11 Ad-hoc Mode for network configurations that do not have any access point Infrastructure Mode for network configurations with access points

POWER SAVE
Extend the battery life of clients by allowing the client to sleep for short periods of time while the Access Point buffers the messages

ROAMING
Support Automatic or Manual Rescan to associate with access point

ENCRYPTION
RC4 encryption algorithm, Supports 64-bit, 128-bit, and 152-bit WEP and WPA encryption, Support open system (OSA) and shared key authentication (SKA)

DIMENSIONS
168 x 107 mm (6.6 x 4.2")

NETWORK CONNECTIVITY SYSTEMS

www.signamax-eu.com