Palladio Wave 54

DESCRIPTION

The new solution for a high speed Wireless LAN.

Code: 8E4158

Palladio Wave 54 is an Ethernet card based on IEEE 802.11g wireless technology at 2.4 Ghz (free band for radio transmission with 54Mbps frequency), evolution of the most popular 802.11b at 11Mbps.

Installation and setup are the same of a traditional Ethernet card.
The LAN access is carried out through a proper Access Point (i.e. WaveGATE 54M) with Gateway functions.
If no access point is available, it is possible to carry out a Point-to-Point connection directly to another PC equipped with a 802.11g wireless card.
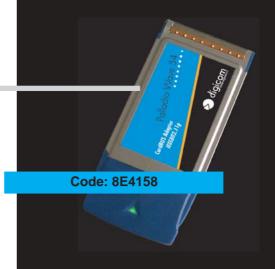
Palladio Wave 54 automatically adjusts the operating speed between 54, 48, 36, 24, 18, 12,11, 9, 6, 5.5, 2 and 1Mbps for the best connection possible at that time.
If necessary it is possible to select 13 different transmission channels to adapt to conditions or to working environments.

As for the data security Palladio Wave 54 supports the new WPA protocol (Wi-Fi Protected Access) with encryption keys at 64 or 128 bit and the TKIP (Termporal Key Integrity Protocol) algorithm. Also the IEEE 802.1x authentication protocol is supported for the maximum privacy and protection of the information transferred via Wireless.

Palladio Wave 54 is perfectly compliant and interoperable with any Access Point or Wireless card based on the 802.11g, 802.11b technology and WI-FI specifications.
It is supplied with drivers for Windows® XP, 200, ME, 98.

- **32bit standard CardBus**
- **IEEE 802.11g and IEEE 802.11b standards**
- **Wireless data rate: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps**
- **Automatic or manual speed selection**
- **Peer to Peer operation (from PC to PC) or with Access Point**
- **Roaming standard 802.11d**
- **WPA (64/128bit WEP with TKIP) encryption support and IEEE 802.1x protocol**
- **Radio Frequency 2.412 - 2.483 GHz, 13 channels**
- **DSSS, DBPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM modulations**
- **Transmission power: from 15 to 20dBm (100 mW)**
- **WI-FI and Airport® interoperable**
- **3.3 V power supply**
- **Energy saver function**
- **Built-in antenna**
- **CE mark**

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