

# TWD WI-FI DONGLE

Telsey Wi-Fi Dongle (TWD) is a wireless 802.11b/g USB 2.0 adapter that allows to easily creating a Wireless LAN inside houses or offices leveraging on the very common USB interfaces installed in PCs.

broadband services providing Wireless Access Point 802.11 b/g capabilities for Wi-Fi connectivity inside the houses or offices.

TWD is the natural complementary device to Residential Gateways like Telsey CPVA502+W, CPVA642WA or Magic that allow access to

In order to be easily installed TWD is provided with a CD ROM for software drivers and user interface to be used into PCs

## TECHNICAL HIGHLIGHTS

WLAN Standard	> IEEE 802.11 b/g	
Data Rate	> 1/2/5.5/6/9/11/12/18/24/36/48 and 54Mbps	
Wireless Medium	> Complementary code keying (CCK) and Orthogonal Frequency Division > Multiplexing (OFDM)	
Frequency Band	> ISM band 2.4 - 2.5GHz > 2400-2483.5MHz for US, Canada > 2400-2497MHz for Japan and ETSI	
Operating channels	> 11 channels for US and Canada > 13 channels for ETSI > 13 channels for Japan > 4 channels for France > 2 channels for Spain	
Modulation Technique	> OFDM: BPSK@6/9 Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps > 64-QAM@48/54Mbps > DSSS: DBPSK @1Mbps, DQPSK@2Mbps, and CCK @ 5.5/11Mbps	
Wired Equivalent Privacy	> 64-bit, 128-bit WEP engine for data encryption	
Operating Channels	> 13 channels and > No of non-overlapping channels: 3 (US,EU,Japan)	
Antenna	> 1 Printed antenna	
Receive Sensitivity (10% PER)	> -94dBm@1Mbps (8% PER) > -90dBm@2Mbps (8% PER) > -88dBm@5.5Mbps (8% PER) > -87dBm@6Mbps (10% PER) > -86dBm@9Mbps (10% PER) > -84dBm@11Mbps (8%PER)	> -85dBm@12Mbps (10% PER) > -82dBm@18Mbps (10% PER) > -78dBm@24Mbps (10% PER) > -75dBm@36Mbps (10% PER) > -70dBm@48Mbps (10% PER) > -67dBm@54Mbps (10% PER)
Max output power	> Ch1-Ch13: 19.7dBm @ all data rates for 802.11b > Ch1-CH13 :18.7dBm @ 6-18Mbps, 18dBm@24-36Mbps & 14.9dBm@48-54Mbps for 802.11g	
Power consumption	> TX: 5V @402mA ; RX: 5V @293mA; Standby mode: 5V @248mA	
Drivers	> Windows 98SE,Me, 2000 and XP	
Security	> WPA,WPA-PSK, 802.1x , LEAP and TKIP	
Form Factor	> USB dongle	
LED	> RF Link LED > Solid Green - The wireless PC card is under Link and Active for data transmission. > Blinking Green - The wireless PC card is under channel scan for link. > Off - The PC card is not ready	
Operating Environment	> Temperature: 0-40°C (operating) -20-70°C (storage) > Humidity: 10-90% RH (non-condensing) under 95% RH (storage)	
Dimension	> [L x W x H] 89 X 25 X 8 mm > Weight 30g	

