Wireless

SMC2862W-G
EZ Connect™ g 2.4GHz 802.11g Wireless USB 2.0 Adapter

 miałek

OVERVIEW

The EZ Connect™ g 802.11g Wireless USB 2.0 Adapter (SMC2862W-G) is another cutting edge introduction in 2.4GHz wireless communication for your laptop or desktop. Designed for both business and home users, this new adapter provides the speed, coverage, and security expected by today’s wireless users. Based on the IEEE 802.11g standard, the new EZ Connect g Wireless USB 2.0 Adapter is 5 times faster than the widely used 802.11b wireless networking devices and is 100% compatible with existing 802.11b wireless networks. The SMC2862W-G is extremely fast and can handle streaming video, multimedia and all other bandwidth-intensive applications. Wireless clients can now easily obtain instant, seamless high-speed network connection. The SMC2862W-G 802.11g Wireless USB Adapter complies with USB 2.0 and is backward compatible with USB 1.1. With a USB performance of 480 Mbps (40 times the speed of USB 1.1), this new product can take full advantage of the 802.11g bandwidth. Its compact, sleek design makes it convenient and easy to carry. Using the new SMC2862W-G, you can simplify PC connections in the home, office or on the road.

To ensure secure transmissions across your wireless network, this USB adapter supports 64/128-bit Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), and the new WPA2*. WPA and WPA2 are interoperable security improvements that greatly increase the level of data encryption and authentication for existing and future wireless LAN systems. In addition, the EZ Connect™ g 802.11g Wireless USB 2.0 Adapter offers an auto-fallback feature that provides scalable connectivity under noisy environments and enables a larger wireless operating range.

This wireless USB adapter combines the ease-of-use and convenience of USB-enabled PCs with the benefits of high speed 54Mbps wireless operation in a full-featured solution for the networked environment. It connects instantly with an existing Ethernet installation to support mobile users, temporary work sites, sharing of peripherals, and wireless multimedia. Wireless solutions provide the ultimate in mobility, simple and flexible installation options, a reduced cost of ownership (no cabling costs or maintenance), and excellent scalability in supporting additional PCs on the LAN.

* Available via future driver upgrade

FEATURES

- EZ Installation Wizard; Plug-and-Play™
- Wireless connectivity via high speed USB 2.0 port
- Compact and sleek design
- IEEE 802.11b and 802.11g compliant, up to 54 Mbps wireless LAN
- Robust security features include 64-bit/128-bit WEP encryption, WPA, and the new WPA2
- Profile management and Site Survey

BENEFITS

- Simple and easy installation on Windows 98SE/ME/2000/XP. Plug-and-play, no configuration needed
- USB 2.0 interface with 480 Mbps high data rate performance - up to 40 times faster than USB v1.0 and 1.1
- Compact, easy-to-carry form factor
- Provides high speed wireless communication at up to 54 Mbps; 802.11g compliance allows seamless interoperation among multiple vendors
- Advanced security through 64-bit/128-bit WEP encryption, Wi-Fi Protected Access (WPA), and the new WPA2 to protect your information and to ensure secure data transmissions
- Ability to scan for all available Access Points on the wireless network and create multiple profiles, making it easy to use in the home, office or on the road
TECHNICAL SPECIFICATIONS

SMC2862W-G

STANDARDS
• 802.11b
• 802.11g
• USB 1.0, 1.1, 2.0

DATA RATES
• 1 / 2 / 5.5 / 11 Mbps
• 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 Mbps

FREQUENCY BAND
• CSMA/CA

OPERATIONAL MODE
• 802.11g Radio: 2.4 GHz
• 802.11b Radio: 2.4 GHz
• USA - FCC: 2412~2462MHz (Channel 1~Channel 11)
• Canada - IC: 2412~2462MHz (Channel 1~Channel 11)
• Europe - ETSI: 2412~2472MHz (Channel 1~Channel 13)

MODULATION TYPE
• OFDM, CCK

OPERATIONAL CHANNELS
• IEEE 802.11b compliant:
  • 11 channels (US, Canada)
  • 13 channels (ETSI)
  • 14 channels (Japan)
• IEEE 802.11g compliant:
  • 11 channels (US, Canada)
  • 13 channels (Europe, Japan)

SECURITY
• 64/128-bit WEP
• WPA
• WPA2

ANTENNA
• Internal

ANTENNA GAIN
• 1.5 dBi

TRANSMITTED POWER

<table>
<thead>
<tr>
<th>Modulation Rate</th>
<th>Output Power 2.4-2.5GHz (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.11b - 1Mbps</td>
<td>16</td>
</tr>
<tr>
<td>802.11b - 2Mbps</td>
<td>16</td>
</tr>
<tr>
<td>802.11b - 5.5Mbps</td>
<td>16</td>
</tr>
<tr>
<td>802.11b - 11Mbps</td>
<td>16</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Modulation Rate</th>
<th>Output Power 2.4-2.5GHz (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.11g - 6Mbps</td>
<td>14</td>
</tr>
<tr>
<td>802.11g - 9Mbps</td>
<td>14</td>
</tr>
<tr>
<td>802.11g - 12Mbps</td>
<td>14</td>
</tr>
<tr>
<td>802.11g - 18Mbps</td>
<td>14</td>
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<tr>
<td>802.11g - 24Mbps</td>
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<tr>
<td>802.11g - 36Mbps</td>
<td>13</td>
</tr>
<tr>
<td>802.11g - 48Mbps</td>
<td>12</td>
</tr>
<tr>
<td>802.11g - 54Mbps</td>
<td>12</td>
</tr>
</tbody>
</table>

RATES/Sensitivity/Allowable Path Loss

<table>
<thead>
<tr>
<th>Modulation Rate</th>
<th>Receiver Sensitivity (dBm) 2.412 ~ 2.484 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.11b - 1Mbps</td>
<td>-92</td>
</tr>
<tr>
<td>802.11b - 2Mbps</td>
<td>-89</td>
</tr>
<tr>
<td>802.11b - 5.5Mbps</td>
<td>-85</td>
</tr>
<tr>
<td>802.11b - 11Mbps</td>
<td>-82</td>
</tr>
</tbody>
</table>

REGULATORY COMPLIANCE
• FCC
• ETSI/CE
• Industry Canada
• C-Tick

CURRENT CONSUMPTION
• TX: 485mA Max
• RX: 330mA Max

HOST INTERFACE
• USB 2.0

TEMPERATURE
• Operating: 0 ~ 45°C / 32° ~ 113°F ambient
• Storage: -20 ~ 70°C / -4° ~ 158°F ambient

HUMIDITY
• 5 ~ 90% non-condensing

DIMENSION
• 3.25 x 1.125 in / 82.5 x 28.5mm

WEIGHT
• 0.06 lbs / 27g

Contact

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