

CellNode M3

802.11b/g/n WiFi USB Adapter with Super-G



● Product Overview

CellNode M3 is a wireless USB adapter that installs in desktop PCs or laptops and lets users connect to wireless networks. The PCI adapter utilizes 802.11b/g/n standards and supports Super-G technology to enable transfer rates of up to 600Mbps. To protect user privacy, CellNode M3 supports advanced data encryption technologies, such as WEP, WPA, WPA2, IEEE802.1X, TKIP, and AES. With faster connections, better coverage and stronger network protection, CellNode M3 is an excellent choice for adding enhanced and secure wireless connectivity to any desktop PC or laptop.



● Key Features

● Super G technology for faster connections

Utilizing Super-G technology, CellNode M3 delivers transfer rate of up to 600 Mbps, which is 2 times faster than the rate of standard 802.11g/n devices. Faster connections provide users with more time to enjoy watching movies or listening to music than spending time downloading online content.

● WEP/WPA/WPA2 support for stronger network security

CellNode M3 supports advanced encryption technologies, including WEP, WPA, WPA2 and others, to deliver stronger network security. By encrypting communications to and from users, CellNode M3 safeguards users' data and privacy in wireless network environment.

● Wireless Roaming support for greater user mobility

CellNode M3 supports wireless roaming to provide users with greater mobility. With roaming, users gain the flexibility to move within the boundaries of wireless networks without experiencing interruption in network access.

● Infrastructure and Ad-Hoc Modes support for flexible implementations

CellNode M3 supports multiple modes of operation to allow more flexible implementations. In Infrastructure Mode, the device communicates with wireless access points in order to gain network access. In Ad-Hoc Mode, CellNode M3 communicates directly with other wireless clients in a peer-to-peer manner.

● Technical Specifications

● Standards:

- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.11n

● Data rate: Up to 600Mbps

● Operating Frequency:

- 2.400 GHz to 2.4835 GHz frequency band
- 1~14 channels

● Transmission Range:

- Indoor: up to 100m
- Outdoor: up to 300m

● Security:

- 64/128/152-bit WEP
- WPA
- WPA2
- IEEE 802.1X
- TKIP
- AES

● Spread Spectrum: DSSS

● Technology: WLAN up to 600MBps

● Transmit Power: 17 dBm (typical)

● Radio Data Rate:

- 600/108/54/48/36/24/18/12/
9/6/11/5.5/3/2/1Mbps (Auto Rate Sensing)

● Modulation:

- 1M DBPSK; 2M DQPSK; 5.5M, 11M CCK;
6M, 9M, 12M, 18M, 24M, 36M, 48M, 54M, 108M, 600M OFDM

● Connector: A-type USB 2.0

● Indicator: LED

● Certifications: FCC, CE

● Power Consumption:

- Full transmit (TX) - 480 mA
- Full receive (RX) - 420 mA

● Dimensions (H x W x D): 100 mm x 30 mm x 11 mm

● Operating Temperature: 32F to 104F (0C to 40C)

● Storage Temperature: -40F to 158F (-40C to 70C)

● Operating Humidity: 10% to 90% Non-Condensing

● Storage Humidity: 5% to 95% Non-Condensing

● Operating Systems: Windows 98SE, ME, 2000, XP



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