Cisco Model DPW632 2.4 GHz 802.11n USB 2.0 Wireless Adapter

The Cisco® Model DPW632 2.4 GHz 802.11n USB 2.0 wireless adapter provides broadband service providers with a cost-effective solution for delivering high-speed Internet access to PCs using 802.11n wireless technology.

Designed to meet 802.11n and Wi-Fi specifications, the DPW632 is a single-band wireless adapter that operates in the traditional 2.4 GHz radio band. The 2x2 transmitter/receiver configuration provides outstanding overall performance.

The 2x2 design supports wireless data rates of up to 300 Mbps, while assuring maximum operating range at all times. The DPW632 adapter provides backward compatibility for operation with 802.11g and 802.11b legacy networks.

Figure 1.   Cisco Model DPW632 2.4 GHz 802.11n USB 2.0 Wireless Adapter (image may vary from actual product and specification)

Standards Based

- Designed to meet IEEE 802.11b/g/n draft 6.0 and Wi-Fi specifications
- USB 2.0 connection to the PC
- Backward compatible with 802.11g and 802.11b legacy networks

Performance

- 2x2 transmit/receive configuration for maximum throughput and range

Security

- WEP, WPA, and WPA2 security support with TKIP and AES

Design and Function

- Attractive, compact design
- LED indicates operational status and real-time data transmission activity
- Wireless Protected Setup (WPS)

Software Features

- IEEE 802.11e QoS Enhancement (WMM, WMM-SA Client mode)

- IEEE 802.11h TPC, DFS, Spectrum Measurement

- IEEE IEEE 802.11e QoS Enhancement (WMM, WMM-SA Client mode)

- IEEE 802.11h TPC, DFS, Spectrum Measurement

- IEEE 802.11k Radio Resource Measurement

- Greenfield, Mixed Mode, and Legacy modes supported

- Power management

- 802.11n Ad-Hoc

Software and Documentation (Optional)

You can order the adapter and a CD-ROM that includes a user guide and USB driver installation software for the Microsoft Windows 7, Windows Vista, Windows XP, and Windows 2000 operating systems.

Figure 2. Cisco Model DPW632 (image may vary from actual product and specification)

Table 1. Product Features

Feature / Specification	Description / Value
Indicators	Wireless link / data activity The LED is green when the adapter is running in 802.11b or 802.11g mode and it is blue when in the 802.11n mode
Colors	Adapter: Black (glossy finish) LED (Blue): Adapter is in 802.11n mode LED (Green): Adapter is in 802.11b or 802.11g mode
Branding	Cisco (in silver text)

Product Specifications

Table 2.   Product Specifications

Specification	Value
Electrical	
Frequency Range	2.412~2.462 GHz, 11 Channels (North America; FCC) 2.412~2.472 GHz, 13 Channels (Europe; CE/ETSI) 2.412~2.484 GHz, 14 Channels (Japan) 2.457~2.472 GHz, 4 Channels (France)
Modulation	**802.11b:** DBPSK (1Mbps), DQPSK (2 Mbps), CCK (5.5 Mbps, 11 Mbps) **802.11g:** BPSK (6Mbps, 9 Mbps), QPSK (12Mbps, 18 Mbps), 16 QAM (24Mbps, 36 Mbps), 64 QAM (48Mbps, 54 Mbps) **802.11n:** BPSK (MCS0, MCS8), QPSK (MCS1, MCS2, MCS9, MCS10), 16 QAM (MCS3, MCS4, MCS11, MCS12), 64 QAM (MCS5, MCS6, MCS7, MCS13, MCS14, MCS15)
Data rate: Modulation	Auto Fall-Back High Throughput Mode (HT) **802.11b:** 1, 2, 5.5, 11 Mbps **802.11g:** 6, 9, 12, 18, 24, 36, 48, 54 Mbps **802.11n-20 MHz:** MCS0~MCS15 (up to 144.444 Mbps) **802.11n-40 MHz:** MCS0~MCS15 (up to 300 Mbps)
Security	64-bit and 128-bit WEP; WPA and WPA2 with TKIP and AES
Transmit Power	**802.11b:** +17 dBm, +/- 1.0 dBm **802.11g:** +14 dBm, +/- 1.0 dBm **802.11n:** +14 dBm, +/- 1.0 dBm
Receiver Sensitivity	**802.11b:** -93 dBm @ 1 Mbps; -91 dBm @ 11 Mbps **802.11g:** -94 dBm @ 6 Mbps; -77 dBm @ 54 Mbps **802.11n 20MHz:** -93 dBm @ MCS0; -73 dBm @ MCS7 **802.11n 40MHz:** -92 dBm @ MCS0; -72 dBm @ MCS7
Antenna System	Two Internal PCB antennas for 2x2 MIMO
Operating Voltage	5 V, USB powered
Mechanical	
Dimensions	3.35 in x 0.98 in x 0.44 in (85.1 mm x 24.9 mm x 11.5 mm)
Weight (approximately)	0.4 oz (12 g)
Temperature	• **Operating:** 23˚ to 122˚F (-10˚ to 50˚C) • **Storage:** -4˚ to 140˚F (-40˚ to +60˚C)
Humidity	• **Operating** 20 to 90% RH non-condensing • **Storage:** 20 to 95% RH non-condensing
Standards and Approvals	
Designed to meet with the following standards	• IEEE 802.11n • WPA2,WPA, and WEP • WMM and WPS • USB 2.0
Regulatory Compliance	
Regulatory and Safety Approvals	As required per country where the DPW632 will be used.

Ordering Information

Table 3. Ordering Information

Description	Part Number
DPW632 2.4 GHz 802.11n USB 2.0 Wireless Adapter The following items are shipped when consumers order this part number: • A USB Wireless Adapter • A CD-ROM containing drivers for the adapter • A User Guide	4036372
DPW632 2.4 GHz 802.11n USB 2.0 Wireless Adapter This part number ships only a USB Wireless adapter; documentation and a CD-ROM are not included.	4036371

Service and Support

Using the Cisco Lifecycle Services approach, Cisco and its partners provide a broad portfolio of end-to-end services and support that can help increase your network's business value and return on investment. This approach defines the minimum set of activities needed by technology and by network complexity to help you successfully deploy and operate Cisco technologies and optimize their performance throughout the lifecycle of your network.

For More Information

To learn more about this product, contact your local account representative.

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