



W100 Wireless Access Device

The W100 is an easy-to-install and use Access point & Ethernet Adapter in one. Implementing the IEEE 802.11g standard for Wireless LAN (WLAN), it is capable of up to 54Mbps data transmission rate using DSSS and the Orthogonal Frequency Division Multiplexing (OFDM) technologies. Backward compatible with the earlier IEEE802.11b standards. With 6 dBi higher gain antenna, the W100 extends WLAN network coverage to twice the distance over competitor products, and provides a better signal strength with higher data transfer rates.

The W100 also supports several wireless network configuration types including APs, infrastructure and Ad-Hoc modes giving you flexibility on your existing or future wireless network configurations. Security to your wireless communication, is carried out through a 64/128 Bit Wired Equivalent Privacy (WEP) encryption with Wi-Fi Protected Access (WPA) features.

Features:

- 3 in 1:
 - Mobile Access Point
 - Wired to wireless converter (client)
 - Bridge
- Directional antenna for optimal range in IEEE802.11b/g applications.
- Built-in 6 dBi high gain antenna.
- Pocket size.
- Plug and Play.

Feature	Description
WEP/WPA	WEP/WPA supports 64/128 bit WEP; WPA-PSK
Data rates	Network standard IEEE802.11: g, b; data rates 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps; data rates 802.11b: 1, 2, 5.5, 11 Mbps
Modulation	64 QAM (54 Mbps, 48 Mbps), 16 QAM (36 Mbps, 24 Mbps), QPSK (18 Mbps, 12 Mbps), BPSK (9 Mbps, 6 Mbps), CCK (11 Mbps, 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Technology	OFDM & DSSS
Operating modes	Ethernet Adapter mode / AP mode: Use hardware switch to change mode
Operating Frequency	2.412 - 2.462 GHz (N. America); 2.412 - 2.472 GHz (Europe ETSI)
Operating Channels	11 for N. America, 13 Europe (ETSI)
RF Output Power	20 dBm
Receiver Sensitivity	PER 8% @ length = 1024 octets (within operating temperature); 11 Mbps: - 82 ~ - 85 dBm; 54 Mbps: - 68 ~ - 70 dBm;
Range	Indoor 260 ft (80 m), outdoor (LOS, Light-Of-Sight) 2000 ft (620 m) at 11 Mbps; Indoor 160 ft (50 m), outdoor (LOS, Light-Of-Sight) 400 ft (120 m) at 54 Mbps. Range performance may vary subject to operating environment.
Utilities	MS Windows-based setup wizard; Web-based management: User-friendly utility to discover and configure Access Points settings and show client statistics; Firmware Restoration: Restore firmware while system enters rescue mode





Hardware Features

Feature	Description
LAN / WAN	RJ45 for 100BaseT with auto crossover MDI/MDI-X
Antenna	6 dBi high gain antenna
Power supply	AC Input: 100V ~ 240V (50 ~ 60HZ); DC Output: 4 V with max. 1 A current; Compact: 46 (L) x 35 (W) x 21 (H) mm (Excluding Terminals & Wires)
Status LEDs	Power, Wireless, Ethernet
Mounting	Screws for wall mounting and window mounting kit are contained in the package
Dimensions	92 mm L * 71 mm W * 31 mm H
Weight	100 g (Excluding power adapter)
Environment	Temperature area: 0°C ~ 55°C, Storage: -20°C ~ 70°C; Humidity: 5 ~ 95% (not condensing)
Emissions	ETS 300 328 und ETS 300 826; CE Mark; FCC Part 15C, Section 15.247
Approval	Complies with R&TTE Directive 1999/5/EG