



## PePLink Surf Indoor Series

The user-friendly and standards-based PePLink Surf Indoor Series of Wi-Fi modems extend Citywide Wi-Fi to indoor areas.

Integrated Home Wi-Fi Access Point, on Surf 200BG-AP and Surf 400BG-AP, relays the Citywide Wi-Fi signal to an indoor Wi-Fi local area network to enable customers to connect with Citywide Wi-Fi via 802.11b/g Wi-Fi and standard Ethernet.

The Surf Indoor Series complies with the IEEE 802.11b/g Standards, and also provides secure authentication and encryption via support for the 802.1x, WEP, WPA, WPA2, and 802.11i Standards.

### Functionality and Compatibility

<b>Model</b>	• 200BG, 200BG-AP and 400BG-AP
<b>Wireless Protocol</b>	• 802.11 b/g
<b>Security</b>	• 802.1x, 64/128-bit WEP, WPA, WPA2, 802.11i

### Hardware Specification

<b>Model</b>	• 200BG	• 200BG-AP	• 400BG-AP
<b>Integrated Home Wi-Fi Access Point</b>	• No	• Yes	• Yes
<b>LAN Interface</b>	• 1 Fast Ethernet Port		• 1 Fast Ethernet Port • 802.11b/g
<b>WAN Interface</b>	• 802.11 b/g		
<b>Transmit Power</b>	• 200mW • 23dBm ±1.5 @ 1 to 11Mbps • 23dBm ±1.5 @ 6 to 36Mbps • 21dBm ±1.5 @ 48Mbps • 20dBm ±1.5 @ 54Mbps	• 200mW • 23dBm ±1.5 @ 1 to 11Mbps • 23dBm ±1.5 @ 6 to 36Mbps • 21dBm ±1.5 @ 48Mbps • 20dBm ±1.5 @ 54Mbps	• 400mW • 26dBm ±1 @ 1 to 24Mbps • 24dBm ±1 @ 36Mbps • 22dBm ±1 @ 48Mbps • 21dBm ±1 @ 54Mbps
<b>Receive Sensitivity</b>	• -95dBm @ 1Mbps • -95dBm @ 2Mbps • -91dBm @ 5.5Mbps • -88dBm @ 6Mbps • -88dBm @ 9Mbps • -90dBm @ 11Mbps • -88dBm @ 12Mbps • -87dBm @ 18Mbps • -83dBm @ 24Mbps • -81dBm @ 36Mbps • -76dBm @ 48Mbps • -72dBm @ 54Mbps	• -95dBm @ 1Mbps • -95dBm @ 2Mbps • -91dBm @ 5.5Mbps • -88dBm @ 6Mbps • -88dBm @ 9Mbps • -90dBm @ 11Mbps • -88dBm @ 12Mbps • -87dBm @ 18Mbps • -83dBm @ 24Mbps • -81dBm @ 36Mbps • -76dBm @ 48Mbps • -72dBm @ 54Mbps	• -97dBm @ 1Mbps • -96dBm @ 2Mbps • -95dBm @ 5.5Mbps • -94dBm @ 6Mbps • -93dBm @ 9Mbps • -92dBm @ 11Mbps • -91dBm @ 12Mbps • -90dBm @ 18Mbps • -86dBm @ 24Mbps • -83dBm @ 36Mbps • -77dBm @ 48Mbps • -74dBm @ 54Mbps
<b>Power Input</b>	• AC Adapter: AC Input 100 to 240V, DC Output 5V • Unit: DC Input 5V		
<b>Power Consumption</b>	• 4.5W (Nominal)	• 4.5W (Nominal)	• 5W (Nominal)
<b>Antenna</b>	• 5dBi Antenna with RP-TNC Female Connector (Extensible)		
<b>Certifications</b>	• FCC		

### Form Factor and Miscellaneous

<b>Model</b>	• 200BG, 200BG-AP and 400BG-AP
<b>Dimensions (W x H x D)</b>	• 132.7 x 118.1 x 38.6 mm / 5.2 x 4.6 x 1.5 in
<b>Weight</b>	• 240g / 0.5 lb
<b>Operating Temperature</b>	• 0 to 55°C / 32 to 131°F
<b>Humidity</b>	• 15 to 95%
<b>Warranty</b>	• Two-year Limited Warranty