

# WL-300g

Support 54Mbps high speed IEEE 802.11g and compatible with IEEE802.11b



## Feature

### 54Mbps high speed IEEE 802.11g

### Compatible with IEEE802.11b WLAN standard

The WL-300g AP is the bridge between the Ethernet and wireless networks. As the perfect solution for the SOHO sector, the WL-300g supports WDS (wireless distribution system), meaning it has the capability to connect multiple IEEE802.11b/g access points. Additionally, the all-new AP can operate in a router mode to allow simultaneous wireless networking between multiple users.

### • WPA ( Wi-Fi Protected Access ) support

For maximum data protection, the WL-300g employed WPA (Wi-Fi Protected Access) and a unique wireless firewall found only on ASUS wireless solutions. WPA supports TKIP, AES, WPA-PSK as well as 802.1x authenticated WPA networks.

### • WDS (wireless distribution system) support

With this advanced technology, MIS professionals can establish multiple WLAN for optimal signal reception without wasting cost and time in laying down long winding cables. WDS allows direct connection between multiple WLAN through wireless communications instead of wired connectivity.

### • Power over LAN (IEEE 802.3af) support

### • Multi-positioning methods to fit in different environment

With Power Over LAN (POL, IEEE 802.3af) and multiple mounting accessories, the WL-300g can be mounted on walls and cubicles and hang from ceilings.

### • Support roaming to other IEEE 802.11g/IEEE 802.11b compliant adapters connected by the Ethernet to extend the network coverage

### • High-sensitivity antenna system



## Specifications

Ethernet interface	<ul style="list-style-type: none"> <li>• RJ45 for 100BaseT with auto crossover MDI/MDI-X</li> <li>• Support IEEE802.3af Power Over LAN (POL)</li> </ul>
Data Rate	<ul style="list-style-type: none"> <li>• 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps</li> <li>• 802.11b: 1, 2, 5.5, 11Mbps</li> </ul>
Antenna	<ul style="list-style-type: none"> <li>• Two internal polarization diversity antennas,</li> <li>• One RF connector for optional external antenna</li> </ul>
Range	<ul style="list-style-type: none"> <li>• Indoor 130 ft (40 m), outdoor (LOS, Light-Of-Sight) 1000 ft (310 m) at 11Mbps</li> <li>• Indoor 80 ft (25 m), outdoor (LOS, Light-Of-Sight) 200 ft (60 m) at 54Mbps</li> <li>• The range may vary by different environment</li> </ul>
Receiver Sensitivity	<ul style="list-style-type: none"> <li>• PER&lt;8% @ length=1024 octets (at nominal temperature range)</li> <li>• 11Mbps: -82 ~ -85 dBm;</li> <li>• 5.5Mbps: -85 ~ -88 dBm</li> <li>• 2 Mbps: -88 ~ -91 dBm;</li> <li>• 1 Mbps: -91 ~ -93 dBm</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>• 64/128-bit WEP</li> <li>• TKIP, AES, WPA, WPA-PSK</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• Device Discovery: Discover all WL300g/WL500g/WL600 in network and help user to invoke Web Configuration page.</li> <li>• Firmware Restoration: Restore firmware while system enters rescue P, e.</li> </ul>
AP operating modes	<ul style="list-style-type: none"> <li>• Access Point mode: Standard based 802.11g Access Point, provide the roaming capability between Wi-Fi compliant Access Points Support both IEEE 802.11g, and IEEE802.11b WLAN standard</li> <li>• WDS mode Support Wireless Bridge functionality.</li> <li>• Hybrid mode: Standard based 802.11g Access Point and Wireless Bridge is supported.</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>• Power, Wireless, Ethernet</li> </ul>
DC Power Adapter	<ul style="list-style-type: none"> <li>• AC Input: 100V~240V(50~60HZ); DC Output: 5V with max. 2 A current</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 0 ~ 55°C</li> </ul>
Size	<ul style="list-style-type: none"> <li>• 40 mm L* 138 mm W* 150 mm H (± 0.2)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 405 g excluding power supply</li> </ul>