

SpeedTouch™ 180

Wireless 802.11g Ethernet Bridge



The SpeedTouch 180 is an IEEE 802.11b/g Wireless LAN Access Point which is configurable as a wireless repeater, bridge or Ethernet client. With an auto MDI/MDIX Ethernet port, it is suitable for a range of user environments.

Secure

The SpeedTouch 180 has a 10BaseT port for Ethernet connection, and also supports 128-bit WEP (Wired Equivalent Privacy), WPA personal and is a fully WiFi certified device.

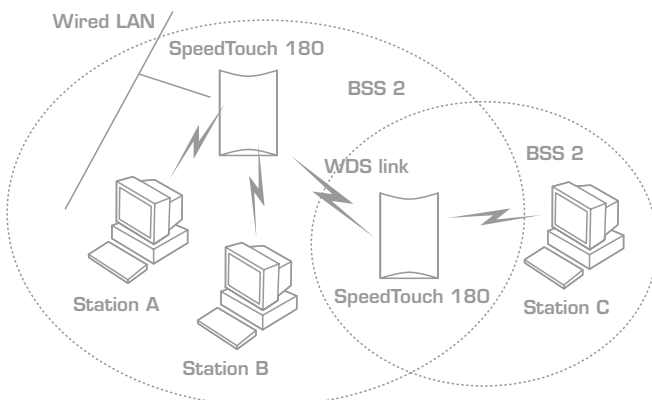


Flexible Operation

The SpeedTouch 180 fully supports roaming capabilities for each wireless client in the same subnet. With WDS (Wireless Distribution System) supported, it can extend the coverage of the wireless network, suitable for environments where cabling is not possible or inefficient to implement.

Standards Based

It strictly adheres to the most advanced IEEE networking Standards for wireless connections, so the SpeedTouch 180 is completely compatible with multi-vendor environments that also meet the standard compliance for IEEE 802.11b/g. It fully supports auto fall-back data rate: 54Mb/s, 48Mb/s, 36Mb/s, 24Mb/s, 18Mb/s, 12Mb/s, 9Mb/s and 6Mb/s.



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Hardware

Wired LAN: 1x RJ-45 port, auto MDI/MDIX
 DC Power: 5V, 1A DC Input.
 Antenna: Two 2.0dBi omni-directional fixed dipole antenna
 LED: Comprehensive LED display showing the device and network status

NAME	COLOUR	FUNCTION
Alert	Orange	Fast flash during self-test. Remains on if self-test fails. Fast flash during software upgrade. Fast flash for s/w reset to Factory defaults. Fast flash for h/w reset to Factory defaults, then slow flash until power is removed.
Power	Green	On when power is applied to the unit.
Wired LAN Port	Bi-colour Green / Yellow	Off – No link Green – 100M link Yellow – 10M link Flash – Activity
WLAN	Yellow	On = Wireless is enabled and working correctly Off = Wireless is disabled from the GUI. The 'Enable Wireless Networking' checkbox is not selected. The Wireless circuitry is enabled but has failed POST. Flashing = Wireless activity

Software Feature

► Auto Fallback Data Rate:

- 54Mb/s, 48Mb/s, 36Mb/s, 24Mb/s, 18Mb/s, 12Mb/s, 9Mb/s and 6Mb/s

► Wireless Security:

- 64-Bit WEP key
- 128-Bit WEP key
- Wi-Fi Protected Access (WPA) for AP mode
- 802.1x, TKIP
- Disable SSID Broadcast and ignore SSID, "Any"
- Mac Address Filtering and wireless client control

► Bridge/Repeater

- Wireless clients (802.11b/g) to wired clients (802.3) protocol frame filtering.
- Wireless clients (802.11b/g) protocol frame relay
- WEP
- WDS - repeater/bridge mode

► Management

- Firmware upgradeable
- Upgradeable configuration profiles
- Web-based configuration

► Roaming:

- Roaming among access points in the same subnet

► DHCP Server/Client (DHCP client enable/disable)

► 802.11d (regulatory domain selection)

► Supported Protocol:

- IEEE 802.11b/g
- IEEE 802.3/802.3u

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Specification

Radio:	Complies with IEEE 802.11b/ IEEE 802.11g
Frequency Band:	2400 ~ 2483.5MHz (for US, Canada, and ETSI) 2400 ~ 2497MHz (for Japan)
Modulation TYPE:	OFDM, CCK, BPSK, and QPSK
Operating Channels:	IEEE 802.11 compliant 11 channels (US, Canada) 13 channels (ETSI)
Data Rate:	1 / 2 / 5.5 / 6 / 9 / 11 / 12 / 18 / 24 / 36 / 48 / 54 Mbps
Output Power:	> +15dBm
Receive sensitivity:	54Mbps OFDM, 10% PER, -68dBm 48Mbps OFDM, 10% PER, -68dBm 36Mbps OFDM, 10% PER, -75dBm 24Mbps OFDM, 10% PER, -79dBm 18Mbps OFDM, 10% PER, -82dBm 12Mbps OFDM, 10% PER, -84dBm 11Mbps CCK, 8% PER, -82dBm 9 Mbps OFDM, 10% PER, -87dBm 6 Mbps OFDM, 10% PER, -88dBm 5.5 Mbps CCK, 8% PER, -85dBm 2 Mbps QPSK, 8% PER, -86dBm 1 Mbps BPSK, 8% PER, -89dBm
Wired Interface:	Ethernet IEEE 802.3/802.3u 10/100BaseT, RJ-45
Current Consumption:	5V, 1A Max.
AC Input:	110V ~120 AC 220V ~240 AC
DC Output:	5V DC
Output current:	1 A (Max.)
Certification:	FCC Part 15 ETSI 300.328 ARIB T66



► For more information: www.speedtouch.com

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