High-Power Wireless 150N Outdoor CPE / Access Point

Multiple SSIDs, Wireless client isolation, Bridge, Repeater, WDS, Passive PoE, Built-in 10 dBi Antenna, IP65
Part No.: 525794

Wireless networking with three times the speed and five times the flexibility.

The Intellinet Wireless 150N Outdoor CPE / Access Point , Model 525794, is a cost-effective WISP CPE and long-distance wireless bridge solution. It combines the functionality of a classic wireless access point, a wireless ISP (WISP) client, a 10 dBi high-gain antenna and an IP65 weatherproof enclosure. High output power (up to 4 watts in FCC-regulated countries) and high receiver sensitivity significantly extend the transmission range, making the Intellinet 525794 Wireless CPE an excellent choice for point-to-point wireless connections.

Multiple Solutions in One Device

The Intellinet Wireless 150N Outdoor CPE / Access Point serves multiple purposes — an access point for your wireless network supporting wireless bridge for point-to-point connections or WDS setups, a CPE for wireless Internet service (WISP), an integrated antenna for long range transmissions — and brings it all together so that the devices can access a high-speed Internet connection.

Secure Communications

The Wireless 150N Outdoor CPE / Access Point provides maximum wireless security by supporting 802.1x user authentication for external RADIUS servers. Other security features included in this access point are MAC address filtering, disable SSID broadcast and support for the latest wireless encryption mechanisms.

Flexibility via passive-PoE

The Intellinet Wireless 150N Outdoor CPE / Access Point comes with a passive PoE port. This port can be used to power the device with the included passive PoE injector for distances up to 60 meters, which is very convenient in situations where AC power is not readily available. Should you prefer to use a power adapter instead of passive PoE, that's okay, too, since we have included a standard 12V power adapter.

Features:

- Wireless outdoor CPE provides Internet connectivity to your 2.4 GHz Wireless ISP (WISP)
- Also suitable for long-range PtP bridge connections
- Built-in 10 dBi antenna
- Weatherproof and corrosion resistant, IP65
- Supported modes: Router (Gateway), Access Point, AP Client, WISP and WDS Bridge
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE 802.11g/b standards
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- Supports multiple ESSIDs with individual security settings
- Supports VPN pass-through for L2TP, IPsec and PPTP connections
- Up to 150 Mbps network link speed
- SMA connector for optional external antenna
- LNA (Low Noise Amplifier) technology for improved radio performance
- Included passive POE injector for up to 60 meters (200 feet) connection distance
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.11b (11 Mbps Wireless LAN)
• IEEE 802.11g (54 Mbps Wireless LAN)
• IEEE 802.11n (150 Mbps Wireless LAN)
• IEEE 802.1x (Network Access Control)
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3u (100Base-TX Fast Ethernet)

General
• LAN port: RJ45 10/100 Mbps data port
• WAN port: RJ45 10/100 Mbps data port
• Flash: 4 MB
• Memory: 16 MB SDRAM
• Reset button
• Certifications: FCC Class B, CE

Wireless
• Wireless frequency range: 2.400 – 2.4835 GHz
• Wireless channels EU (ETSI): 1-13, US (FCC): 1-11
• Modulation technologies:
- 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
- 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM

- Data rates:
- IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
- IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
- IEEE 802.11n (MCS0-7: up to 150 Mbps)
- Output power U.S. (FCC):
- OFDM: max. 26 dBm (150 Mbps, 4 W max.)
- OFDM: max. 26 dBm (54 Mbps, 4 W max.)
- CCK: max. 26 dBm (11 Mbps, 4 W max.)
- EIRP Output power EU (ETSI):
- OFDM: max. 20 dBm (150 Mbps, 100 mW max.)
- OFDM: max. 20 dBm (54 Mbps, 100 mW max.)
- CCK: max. 18 dBm (11 Mbps, 63 mW max.)
- Receiver sensitivity:
- 11n (150 Mbps): -68 dBm
- 11g (54 Mbps) OFDM: -72 dBm
- 11b (11 Mbps) CCK: -85 dBm
- Wireless operation modes:
- Access Point
- Station Infrastructure (AP Client)
- Point-to-Point Bridge
- Point-to-Multi-Point Bridge
- WDS Bridge
- Universal Repeater
- Wireless security:
- WEP encryption (64/128 bit)
- WPA TKIP
- WPA2 AES
- WPA2 mixed
- WPA RADIUS
- 802.1x Authentication
- Client access control through media access control (MAC) filter
- Wireless client isolation:
- AP isolation prevents WLAN users attached to different SSIDs from communicating with each other
- MBSSID AP isolation prevents all WLAN users from communicating with each other, even if they are connected to the same SSID
- Antenna: 10 dBi dual-polarized directional antenna

LEDs
- Power
- WLAN Link/Act
- LAN Link/Act
- WAN Link/Act

Environmental
- Dimensions: 225 (H) x 77 (W) x 59 (D) mm (8.9 x 3.0 x 2.3 in.)
- Weight: 0.250 kg (1.4 lbs)

- Operating temperature: -10 – 55°C (32 – 131°F)
- Operating humidity: 10 – 90% RH, non-condensing

Power
- External power adapter: 12 VDC, 1.0 A

Package Contents
- Wireless 150N Outdoor CPE / Access Point
- Quick installation guide
- User manual
- Passive PoE power adapter