10 dBi Wireless N300 Outdoor PoE Preconfigured Point-to-Point Bridge Kit

TEW-740APBO2K (v2.0R)

• Wireless N300 point-to-point networking (2.4 GHz)

• 2 x preconfigured Wireless N access points

• IPX6 outdoor weather rated housing

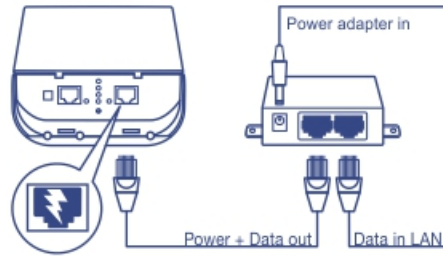• Built-in 10 dBi directional antenna

TRENDnet's 10 dBi Wireless N300 Outdoor PoE Preconfigured Point-to-Point Bridge Kit, model TEW-740APBO2K, provides Wireless N300 point-to-point connectivity. This preconfigured kit provides installers the simplest way to create a long distance wireless point-to-point bridge. Conveniently link two locations together with wireless N speed and performance.

Wireless Distribution System (WDS)

Power adapter in

Power + Data out   Data in LAN

IPX6

Preconfigured Point-to-Point Bridge
Reduce installation and setup time with this preconfigured and pre-encrypted long range wireless bridge kit
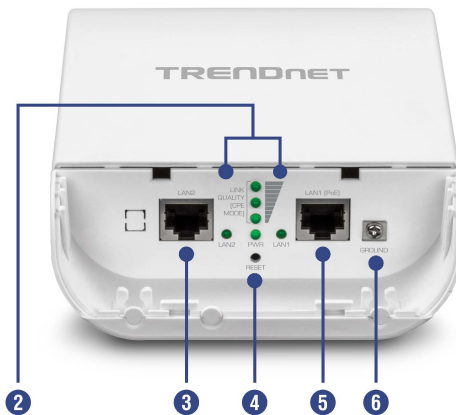
PoE Power Adapter
Included power adapter provides power and data over a single Ethernet cable with a maximum distance of 60 m (197 ft.)

Outdoor Ready
Durable enclosure with an IPX6 outdoor weather rating

Networking Solution

1. Outdoor rated
2. LED indicators
3. 10/100 Mbps port
4. Reset button
5. 10/100 Mbps PoE port
6. Grounding Point

TRENDnet®

Preconfigured Kit
Reduce installation and setup time with this preconfigured and pre-encrypted long range wireless bridge kit

Wireless N300 (2.4 GHz)
Compliant with 802.11b/g/n technology (2.4 GHz) with data rates up to 300 Mbps*

Outdoor Rated
Durable enclosure with an IPX6 outdoor weather rating

Directional Antenna
Built-in 10 dBi directional antenna

PoE Power Adapter
Proprietary PoE power adapter included

Mounting Hardware
Pole and wall mount hardware included

LED Indicators
LEDs convey wireless link quality in WISP mode

Specifications

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.1d
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1X
- IEEE 802.11d
- IEEE 802.11e
- IEEE 802.11f
- IEEE 802.11h
- IEEE 802.11i
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (2.4 GHz up to 300 Mbps)
- IEEE 802.11r
- IEEE 802.11k

Hardware Interface
- 1 x 10/100 Mbps LAN1 port (proprietary PoE max. cable length 60 m (197 ft.))
- 1 x 10/100 Mbps LAN2 port
- LED indicators
- Reset button
- Grounding Point

Special Features
- IPX6 weather rated
- 802.1Q VLAN assignment per SSID
- Schedule radio on/off time policy
- 802.11r / 802.11k fast roaming
- Preconfigured point-to-point bridge kit

Access Control
- Wireless encryption: WPA/WPA2-PSK, WPA/WPA2-Enterprise, 802.1X
- Firewall (CPE Mode): NAT, Virtual Server, DMZ Host, PPTP/L2TP/IPsec VPN Passthrough
- Access Controls: MAC, IP Filter, Layer 2 Client Isolation, Per-SSID client limiting
- 802.1Q VLAN
- Authentication 2.0 / Walled Garden for guest authentication
- Customizable captive portal for guest authentication

QoS
- WMM

Operation Modes
- Access Point (AP)
- Access Point (AP) + WDS
- Wireless Distribution System (WDS)
- WISP (CPE) + AP
- Client Bridge + AP
- Router
- Control AP (CAP)

SSID
- Up to 7 SSIDs

Internet Connection Types (WISP (CPE) + AP & Router modes)
- Dynamic IP (DHCP)
- Static IP (Fixed)
- PPPoE (Dynamic IP/Static IP)
- PPTP (Dynamic IP/Static IP)

Management/Monitoring
- Local/remote web based management (HTTP, HTTPS)
- Local/remote CLI based management (Telnet, SSH)
- SNMP v2c/v3
- SNMP Trap
- Upgrade firmware
- Backup/restore configuration
- Event logging
- Authentication log
- Reboot
- Restore to factory defaults
- Ping test
- Traceroute
- LED Control

Frequency
- FCC: 2.412 - 2.462 GHz
- ETSI: 2.412 – 2.472 GHz
- IC: 2.412 - 2.462 GHz

Wireless Channels
- FCC: 1-11
- ETSI: 1-13

Modulation
- 802.11b: DBPK, DQPSK, CCK with DSSS
- 802.11g/n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM

Media Access Protocol
- CSMA/CA with ACK

Antenna Gain
- 10 dBi internal sector antenna

Wireless Output Power/Receiving Sensitivity
- 802.11b: FCC/ETSI: FCC: 28 dBm (max.), ETSI: 10.4 dBm (max.), IC: 28 dBm (max.)/-88 dBm (typical) @ 11 Mbps
- 802.11g: FCC/ETSI: FCC: 26 dBm (max.), ETSI: 10.5 dBm (max.), IC: 26 dBm (max.)/- 74 dBm (typical) @ 54 Mbps
- 802.11n: FCC/ETSI: FCC: 26 dBm (max.), ETSI: 10.6 dBm (max.), IC: 26 dBm (max.)/- 69 dBm (typical) @ 300 Mbps

Power
- Input: 100 – 220 V, 50 - 60 Hz, 0.5 A
- Output: 12V / 1A
- Consumption: 13.5 Watts Max.

Operating Temperature
- -20 - 60° C (-4 - 140° F)

Operating Humidity
- Max. 99 % non-condensing

Certifications
- CE
- FCC

Dimensions
- 195 x 118 x 61 mm (7.6 x 4.6 x 2.4 in.) per access point

Weight
- 320 g (0.7 lbs.) per access point

Warranty
- 3 year

Package Contents
- 2 x TEW-740APBO
- CD-ROM (User's Guide)
- Quick Installation Guide
- Mounting hardware
- Proprietary PoE injectors
- Power adapters (12 V DC, 1 A)
- Grounding wires