

TECHNICAL PRODUCT SHEET

TDP2PX-300



Features

- 2-in-1 wireless bridge (5.8GHz, 300Mbps) + PoE switch
- Up to 3KM transmission range
- Auto pairing on power-up
- IP55-rated for outdoor use (parks, farms, sites)
- -30°C to 65°C operating temperature
- 18dBi antenna, 27dBm transmission power
- PTP auto pairing, PTMP via web interface
- 5 × RJ45, 1 × DC, 1 × RS-485 ports
- DC12-52V / PoE48-56V input with PoE output

Technical Specification

Function	Description
Port	5*10/100Mbps RJ45 Port (If there is POE48 input on ETH1 port, ETH2-3 ports support 802.3af/at Standard 48V output) 1*DC Interface (ETH2-3 port supports IEEE802.3af/at Standard POE 48V output when the DC input voltage is 48-52V) 1* RS-485 Interface
Data Rate	11a: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps HT20: 7.2M, 14.4M, 21.7M, 28.9M, 43.3M, 57.8M, 65M, 72.2M, 86.7M, 115.6M, 130M, 144.4Mbps HT40: 15M, 30M, 45M, 60M, 90M, 120M, 135M, 150M, 180M, 240M, 270M, 300Mbps
Transmission	Direct Sequence Spread Spectrum (DSSS)
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK
Standard	Wireless Bridge: IEEE802.11n, IEEE802.11a , IEEE802.3u Switch: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af, IEEE802.3at
Protocol	CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP, NDIS3, NDIS4, NDIS5
Channel	4900 ~ 6100MHz
Power Dissipation	≤6W
Power	Power Input Voltage: DC 12-52V / POE 48-56V Maximum Power of the Single Port: 25W (Requires 60W power supply)
Performance	Backplane Bandwidth 1Gbps Packet Forwarding Speed: 12.96Mpps All Ports Line Speed Forwarding The Size of the MAC Address Table: 4K Auto MDI/MDI-X: Yes

Antenna	Frequency Range: 4900 ~ 6100MHz Polarization: Vertical/Horizontal Gain: 16DBi
Management	WEP Management: Yes SNMP MIB: Yes Telnet: Yes Serial: Yes
Security	MAC Address Control: No Encryption: WEP Encryption 64/128bits, WPA, WPA2,802.1x
Operating Condition	Operating Temperature: -30 ~ 65°C Storage Temperature: -50 ~ 80°C Humidity(non-condensed): ≤ 95% (non-condensed)
Product Size	Size: 228*135*43mm Weight: 0.4kg