

100Km Long distance PtP outdoor device

- PTP5-DX 300Mbps 802.11.an 36dBm Hi-power
- PTP5-ADX 867Mbps 802.11.a.n.ac 36dBm Hi-power

Outdoor Wireless Point-to-Point Bridge PTP MIMO 867Mbps Dual N-Connector

- 36dBm High power(Max 4watts)
- 110V~200V AC power direct input
- Do not use PoE
- DC12V input, output
- CCTV video transmission
- Built-in lightning protection circuit
- Connect long distance internet
- IP67 aluminum die casting case
- Data rate 10/100/1000Mbps
- PtP5-DX Speed max 300Mbps
- PtP5-ADX Speed max 867Mbps



PTP5-DX 300Mbps

Dimension: Outside:
210x 280 x 95mm. 1.25Kg



PTP5-ADX 867Mbps

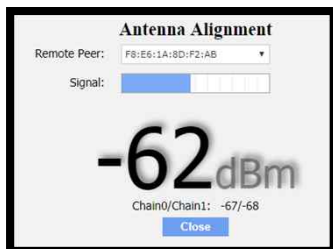
Dimension: Outside:
310x 270 x 58mm. 2.6Kg



거리 = 안테나 높이 PtP Link antenna height

20Km	16m	30Km	20m
40Km	23m	50Km	26m
60Km	30m	70Km	34m
80Km	38m	90Km	43m

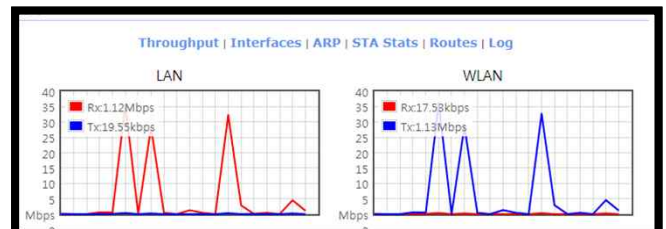
Functions for antenna adjustment



Real time Link signal level



Real time Link signal & LAN, Power system LED



Real time Traffic monitoring graph

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PTP5-DX 300Mbps



PTP5-ADX 867Mbps



PTP5 AC KEY FEATURES

- Qualcomm Atheros QCA9882
- 5GHz max 36dBm output power (per chain) , 30dBm (aggregate)
- IEEE 802.11ac compliant & backward compatible with 802.11a/n
- 2x2 MIMO Technology, up to 867Mbps
- Built-in ESD Protection with ESD/EMP Immunity Threshold: 15KeV¹
- Supports Spatial Multiplexing, Cyclic Delay Diversity (CDD), Low-Density Parity-Check (LDPC) Codes, Maximal Ratio Combining (MRC), Space Time Block Code (STBC)
- Supports IEEE 802.11d, e, h, i, k, r, v time stamp, and w standards
- Supports Dynamic Frequency Selection (DFS)
- Cards are individually calibrated for Quality Assurance

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Specification

■ 5GHz

Chipset : QCA9882

Host Interface: PCI Express 1.2 Standard

Frequency Range: 5.180 ~ 5.825 GHz(4.9~6.1GHz)

Modulation Techniques: BPSK, QPSK, DBPSK, DQPSK,
16-QAM, 64-QAM, 256-QAM

Operating mode: AP, station, WDS, Repeater

■ RF Performance

TX Power : max 36dBm 4watts

- 5GHz 1a: 6Mbps 27/36dBm. 54Mbps: 23/36dBm
- 5GHz a/ac VHT20:MCS0 26/31dBm. MCS8: 20/33dBm.
- HT40 MCS1: 26/29dBm. MCS9: 19/32dBm.
- HT80 MCS0: 26/29dBm MCS9: 19/32dBm.

RX Sensitivity

- 11a: 6Mbps -94dBm 54Mbps:-80dBm.
- 11n/ac VHT20: MCS0 -94dBm MCS8 -74dBm
- VHT40: MCS0 -93dBm MCS9 -71dBm
- VHT40: MCS0 -89dBm MCS9 -68dBm

■ Enclosure Specification

- IP Rate: IP67
- Case Material: Aluminum
- Mounted Pole Size: 70mm (diameter)
- Interface:RJ45 Waterproof kits x1 (included)
- Antenna :N Female x 2 (included)
- Dimension: Outside: 210x 280 x 95mm. 1.25Kg
- LED: Power, Eth, 5GHz RSSI1234

■ Advanced Characteristics

- Vlan: 802.1q
- MAC Filter: Black list
- User QOS: Speed Limit by User Group
- Trunk Port: supported
- Firewall: Integrated Firewall
- WPA/WPA2;WPA-PSK/WPA2-PSK (AES/TKIP) Encryption; 64/128-bit WEP
- Environmental Temperature: Operating: -20°C to 70°C, Storage: -40°C to 90°C
- Humidity (non-condensing): Operating: 5% to 95%, Storage: Max. 90%
- Other Features Surge Suppressor, Watchdog Timer
- Interface: 2x Gigabit
- Other Features Surge Suppressor, Watchdog Timer