



300 Mbps PTP Lite

TW PTP 2.4 N300

OVERVIEW:

Super High Power 2x2 MIMO 2.4 Ghz delivering upto 300 Mbps.

TW Lite is a Radio Bridge & Router with Operational Range of 10 Kms. It balances enterprise-scale security, management and Quality of Service features with high performance.

It is a any Point to Multipoint and Multipoint-to Multipoint OFDM/MIMO Radio Bridge Equipment for High Bandwidth connectivity. It has a range of up to 15kms with the integrated antenna.

FEATURES:

- ❖ OFDM /MIMO 2.192-2.99Ghz,
- ❖ Any Point to Any point and Multipoint to Multipoint.
- ❖ IP Routing
- ❖ OLSR & Static
- ❖ Ultra Secure 256 bit AES, WPA , WPA2 encryption
- ❖ Security, VPN and firewall
- ❖ GUI, Telnet, SSH
- ❖ QOS with Traffic Shaping
- ❖ Watch Dog Timer
- ❖ Sensitivity of (-)105 XR (Best in the Industry)
- ❖ Transmit Power Control
- ❖ Web-based Administration Manager

HOTSPOT

Built-in HOTSPOT and Bingo, plus PPPOE server/client

Built-in Router Specifications:

Basic Network Platform
TCP/IP protocol suite

Firewall and NAT

Packet filtering, source and destination NAT, source MAC addresses, ports, protocols, protocol options, interfaces.

Routing

Static, mesh OLSRD

Bridging

Spanning tree protocol, multiple bridge interfaces, bridge firewall

Bandwidth Management

Per IP / protocol / subnet / port, CBQ, RED, SFQ, byte limited queue, packet limited queue

QOS

Full Scale QOS with traffic shaping and user friendly Presets .

DNS client/Server
Name resolving for local use, Dynamic DNS Client

Multiple SSID

Offers Virtual AP support with multiple SSID and individual encryption and IP address/ DHCP.

SNMPV2

read only access

Tunnels

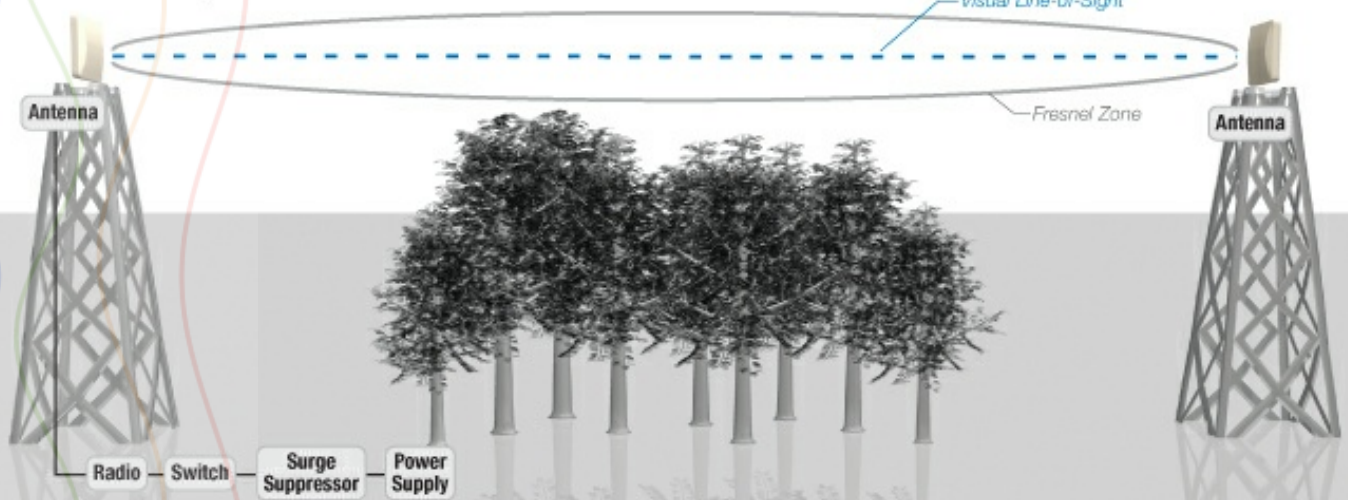
PPTP, EoIP (Ethernet over IP)
Multicasting support (beta available)

VLAN

NTP Network Time Protocol server and client

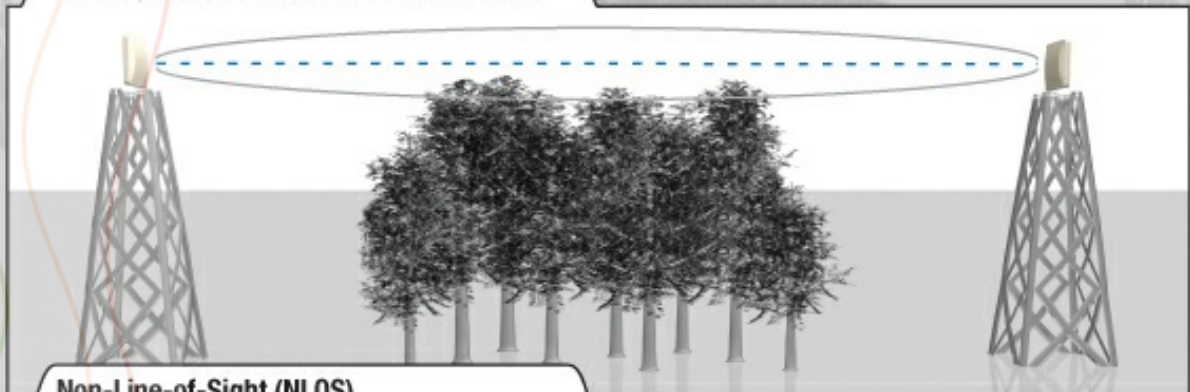
Line-of-Sight (LOS)

Clear Optical LOS and Fresnel Zone



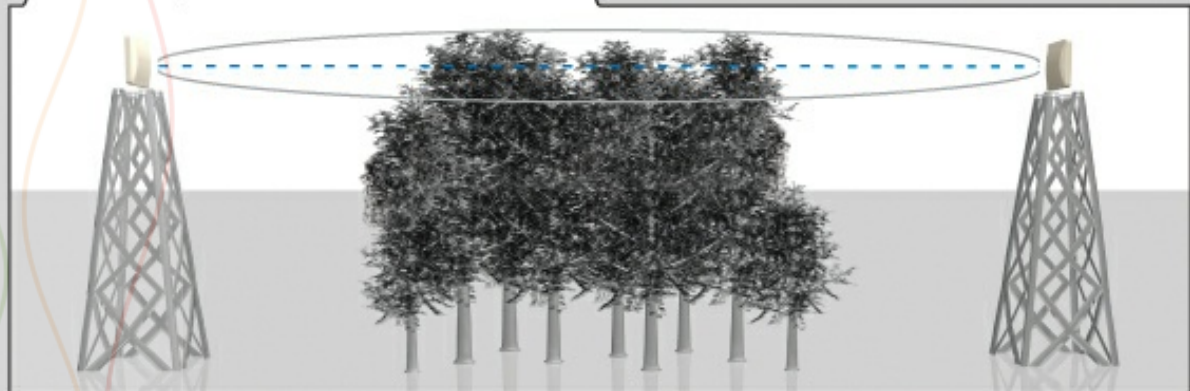
Near-Line-of-Sight (nLOS)

Clear Optical LOS and blocked Fresnel Zone



Non-Line-of-Sight (NLOS)

Blocked Optical LOS and blocked Fresnel Zone



Specifications:

Standards	IEEE 802.11 b/g/n、 IEEE 802.3u (10/100 Base T)
Data Rate	802.11b: Up to 11 Mbps 802.11g: 54Mbps; 802.11 n:150Mbps
Physical Spec.	Dimension – 7” x 11” x 5” 1.2 Kg
Hardware	Output Power : 30 dBm Antenna – 11 dbi integrated / External connectorised optional Watchdog Timer: software / Hardware / Temperature Frequency Stability: within +/- 20 ppm Data Modulation: BPSK, QPSK, CCK and OFDM Power: DC or passive PoE 12-18V, 12V@1A Mode B (4//5 + & 7/8)
Maximum Wireless Users	254
Recommended wireless users	64
Environmental Spec.	Operating Temperature: -40°C - +55°C
	Storage: -20°C – 90°C
	Humidity: 5% - 98% non - condensing
Ordering Info	TW PTP Lite 2.4 N300

MCS Index	Spatial Streams	Modulation Type	Coding Rate	Data Rate Mbps			
				20 MHz channel		40 MHz channel	
				800ns GI	400ns GI	800ns GI	400ns GI
0	1	BPSK	1/2	6.50	7.20	13.50	15.00
1	1	QPSK	1/2	13.00	14.40	27.00	30.00
2	1	QPSK	3/4	19.50	21.70	40.50	45.00
3	1	16-QAM	1/2	26.00	28.90	54.00	60.00
4	1	16-QAM	3/4	39.00	43.30	81.00	90.00
5	1	64-QAM	2/3	52.00	57.80	108.00	120.00
6	1	64-QAM	3/4	58.50	65.00	121.50	135.00
7	1	64-QAM	5/6	65.00	72.20	135.00	150.00
8	2	BPSK	1/2	13.00	14.40	27.00	30.00
9	2	QPSK	1/2	26.00	28.90	54.00	60.00
10	2	QPSK	3/4	39.00	43.30	81.00	90.00
11	2	16-QAM	1/2	52.00	57.80	108.00	120.00
12	2	16-QAM	3/4	78.00	86.70	162.00	180.00
13	2	64-QAM	2/3	104.00	115.60	216.00	240.00
14	2	64-QAM	3/4	117.00	130.00	243.00	270.00
15	2	64-QAM	5/6	130.00	144.40	270.00	300.00

*Specifications are subject to change without prior notice, contact sales for detailed specifications.

* Order has to be specified either integrated or external connectorised