

Pluto nX

Super High power Mimo 2 X 2 , 5.8 GHz

with MIMO support

300 Mbps

Radio Bridge & Router
Operational Range 15 Kms
Super High Power of +25dBm
Integrated 18 dBi dual polarity antenna

MAKSAT Pluto nX balances enterprise-scale security, management and Quality of Service features with high performance.

Features Benefits

The MAKSAT Pluto nX Radio, 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 and up to 40kms with external antenna.

- OFDM MIMO
- 4.9-6.1Ghz,
- 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



Product highlights

HOTSPOT

Built-in HOTSPOT and Bil,N,go, 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

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Spec sheet

Category	Item	Description
Product General	Standards	Wireless: IEEE 802.11a/n Ethernet: IEEE 802.3/u (10/100BaseT)
	Data Rate	150Mbps
Physical Spec.	Dimension	7" x 11" x 5" 1.2Kg
	Interface	POE LAN – POE power
	Antenna Type	Integrated 18 dBi dual polarity high gain antenna
Hardware	Output Power	25 dBm
	Ethernet	10/100 Base T
	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 -)
Maximal Wireless Users		254
Recommended Wireless Users		64
Environment Spec.	Operating Temp	-400°C - +70°C
	Storage	-20°C ~ 90°C
	Humidity	5%~98% non-condensing

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



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