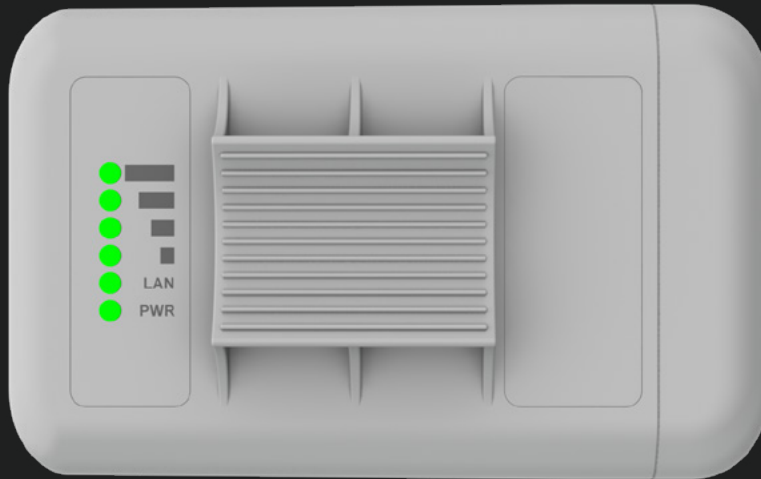


OUTDOOR WIRELESS NETWORK DEVICE



CODE: TITUS-WIRELESS-BRIDGE



PMP/PTP Range

PTMP Mode	PTP Mode	PTP Mode (Full Capacity)
5km / 3.11 miles	7km / 4.35 miles	7km / 4.35 miles

Wireless

WLAN Standard	IEEE 802.11 a/n; iPoll (Proprietary)
Radio Mode	MIMO 2x2
Radio Frequency Band	5.150GHz to 5.850GHz (FCC 5.150 - 5.250 & 5.725GHz to 5.850GHz)
Transmission Power	Up to 29dBm (Country Dependant)
Receiving Sensitivity	Varies Between -97dBm and -75dBm (Dependant on Modulation)
Channel Size	5, 10, 20, 40MHz
Modulation Schemes	802.11 a/n: OFDM (64-QAM; 16-QAM; QPSK; BPSK)
Data Rates	802.11 n: 300, 270, 240, 180, 120, 90, 60, 30Mbps; 802.11 a: 54, 58, 36, 24, 18, 12, 9, 6 Mbps
Error Correction	FEC; Selective ARQ
Duplexing Scheme	Time-Division Duplex

OUTDOOR WIRELESS NETWORK DEVICE



CODE: TITUS-WIRELESS-BRIDGE

← Receiving Sensitivity

802.11n / iPoll (20MHz)	15Mbps	30Mbps	45Mbps	60Mbps	90Mbps	120Mbps	135Mbps	150Mbps
	-97	-95	-93	-88	-85	-81	-79	-77
802.11n / iPoll (40MHz)	30Mbps	60Mbps	90Mbps	120Mbps	180Mbps	240Mbps	270Mbps	300Mbps
	-94	-92	-89	-85	-82	-78	-77	-75
802.11a	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	-97	-97	-95	-93	-90	-86	-82	-81

→ Output Power

802.11n / iPoll (20MHz)	15Mbps	30Mbps	45Mbps	60Mbps	90Mbps	120Mbps	135Mbps	150Mbps
	29	28	28	28	27	27	25	24
802.11n / iPoll (40MHz)	30Mbps	60Mbps	90Mbps	120Mbps	180Mbps	240Mbps	270Mbps	300Mbps
	28	28	28	28	26	26	24	23
802.11a	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
	29	29	29	29	29	27	26	25

📡 External Antenna

Type	Integrated Directional Panel Antenna
Gain	15 dBi

📶 Cable Support

Interface	10/100 Mbps Base-T (RJ45)
-----------	---------------------------

🔗 Software

Wireless Operating Modes	Access Point (Auto WDS); Access Point (iPoll 2); Station (WDS, iPoll 2); Station (ARP NAT)
Wireless Techniques	Smart Station Polling; Smart Auto-Channel; Adaptive Auto-Modulation; Automatic Transmit Power Control (ATPC)

OUTDOOR WIRELESS NETWORK DEVICE



CODE: TITUS-WIRELESS-BRIDGE

Software (continued.)

Wireless Security	WPA; WPA2 Personal; WPA/WPA2 Enterprise; WACL; User-Isolation
Wireless QoS	4-Queue Prioritisation on iPoll 2
Network Operating Modes	Bridge; Router (IPv4); Router (IPv6)
Network Techniques	Routing with NAT/VLAN; Routing without NAT/VLAN
WAN Protocols	Static IP; DHCP Client; PPPoE Client
Services	DHCP Server; SNMP Server; NTP Client; Router Advertisement Daemon; Ping Watchdog
Management	HTTP(S) GUI; SSH; SNMP Read; WNMS; Telnet
Tools	Site Survey; Link-Test; Antenna Alignment

Internal Antenna

Frequency Range	5.1GHz to 5.9GHz
Gain	15 dBi
Polarisation	Dual-Linear
Cross-pol Isolation	27 dBi
VSWR	<1.4
Azimuth Beamwidth (H pol)	35 deg
Azimuth Beamwidth (V pol)	35 deg
Elevation Beamwidth	35 deg

Management

System Monitoring	SNMP v3; Syslog; Web UI and Infinity Controller
Configuration	Web UI; Infinity Controller

Certification

Certifications	FCC; IC; CE
----------------	-------------

OUTDOOR WIRELESS NETWORK DEVICE



CODE: TITUS-WIRELESS-BRIDGE



Parameters & Dimensions

Power Supply	12 to 24 VDC Passive PoE (24V Passive PoE Adaptor is Included)
Power Source	100-240VAC
Power Consumption	4.5W
Working Temperature	-40°C to +65°C (-40°F to +149°F)
Working Humidity	Less than 90% (RH)
Product Dimensions	140mm x 90mm x 35mm
Net Weight	122g