TITAN 5100 5G–NR Indoor

Compact, indoor high-gain performance using a self-installed window mount, pole mount or wall mount device

Overview

Every fixed wireless opportunity is different. Location, building characteristics, and other obstacles regularly interfere with the strength and consistency of FWA connectivity. The TITAN 5100 is a simple to install, cost-effective way to deliver consistent, secure FWA to residential and business users.

Features

- Compact design 11.3" x 6.4" x 2" IP67 enclosure

- Built-in 4x4 omnidirectional wideband antennas

- Wi-Fi 6

- 48V 2.5G PoE support

- Window, pole and wall mounting options included in packaging

- Dual SIM/eSIM

- Up to 3.6Gbps throughput over 5G

Key Benefits

- Significantly improve FWA antenna performance with 180˚ field of view

- High-gain device at a cost similar to competing desktop devices

- Simple self-install mounting options

- Improved network spectrum efficiency

- Remote configuration and management

- API support for zero-touch deployment

Patented Intent-Based Network Optimization

The TITAN 5100 leverages Global Telecom's patented Intent-Based Network Optimization solution, the fixed wireless industry's only platform that dynamically and automatically ensures that users are always attached to the highest performing and least congested sectors.

Technical Overview. The Global Telecom TITAN 5100 is a compact window, pole or wall mount fixed wireless solution designed for residential, small business and branch office locations. The 5100 offers maximum gain in a self-installed device. It is compliant with 3GPP Release 16 specifications and includes advanced 4x4 MIMO, omnidirectional antennas, WiFi 6 dual band support (802.11b/g/n/ac/ax), IP-passthrough for primary and backup networking capability, IPv4 & IPv6, and Multiple PDN support, VPN & full L2/L3 GRE tunneling client's support, as well as FTP, HTTP, HTTPS and TR-069 management support.

TITAN 5100 PERFORMS
Ensure every deployment delivers fast, secure internet to your customer

Technical Specifications

Physical

Dimensions	11.3" x 6.4" x 2"
Weight	< 1.5Kg
Power consumptions	<15W
Power Supply	48V/0.5A DC (Passive PoE)
Ingress Protection	IP67

Environmental

Operating Temperature	-40℃ to 55℃
Storage Temperature	-45℃ to 85℃
Humidity	95% max non-condensing

Wireless Radio Interface

Chipset	Qualcomm® Snapdragon™ SDX62
Radio Access	3GPP Release 16, 5G NSA/SA 5G NR Sub-6G/LTE-TDD/LTE-FDD/WCDMA
Frequency Band (NA Version)	5G-NR: n2/5/7/12/13/14/25/26/29/30/38/41/48/66/71/77/78/79 LTE-FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE-TDD: B38/41/42/43/46*/48 WCDMA: B2/4/5
Frequency Band (EU Version)	5G-NR: n1/3/5/7/8/20/26/ 28/40/41/48/77/78/79 LTE-FDD: B1/3/5/7/8/18/19/20/26/28/32 LTE-TDD: B38/39/40/41/42/43/46*/48 WCDMA: B1/5/8
Modulations	QPSK/QAM16/QAM64/QAM256
CA Support	5G: 2CC, 4G: 5CC, and ENDC CA Support
Receive Sensitivity	Compliance with 3GPP standard
Output Power	23dBm±2dB
Antenna Gain	2-6dBi
GNSS	GPS/GLONASS/Galileo/QZSS

WiFi Interface

Radio Access	IEEE802.11b/g/n/ac/ax
MIMO	2 x 2 DBDC (3.6Gbps, BW=160MHz)
Output Power	16dBm
Antenna	3-5dBi Built-in antenna
Connected Users	64
Security	64/128-bit WEP, WPA/WPA2/WPA3

User Interface

Data interface	1 RJ45 10/100/1000/2500M PoE Port
LED Indicators	SYS, MOD, ETH, WiFi, RF (4 Signal intensity LEDs)
SIM Support	1.8V/3.0V USIM 2FF, eSIM

Software Specifications

Networking Configuration	Router and L3 Bridge Operation Support, Built-in DHCP Server for LAN Devices, IPv4, and IPv6 DS-Lite Support for LTE, Multiple PDN Interface Support
Data Networking Features	VPN Pass-through support (PPTP, L2TP & IPsec), Built-in L2TPv2, L2TPv3 & GRE Client Support, DNS Proxy Support, Firewall & Access Control, DMZ and Virtual Server Support, IP and Port Forwarding Support, Local and Remote Management Restriction, Application Firewall Support, NTP Service Support, LAN Device Access Control
Device Management	CLI, Telnet, HTTP and HTTPS Management Interfaces, Standard Based TR-069 Management, FTP and HTTP OTA Firmware Upgrade, USIM/eSIM and PLMN Locking Support, Device Factory Default Setting