



TITAN 5000 5G Desktop

Powerful, secure and cost-effective indoor fixed wireless device that delivers exceptional user experience



Overview

FWA too often comes with poor customer experience and high churn as service providers struggle to balance device cost, installation simplicity and network connectivity. The TITAN 5000 is the only desktop device that delivers a simple installation process, high-gain antennas and dynamic optimization of network connectivity to ensure customers always have the best tower connection.

Features

- High-Gain Wideband Antennas
- USIM/eSIM Support
- North America Wireless Bands
- 3 GE LAN Ports and 1 2500M LAN/WAN Port Support
- Wi-Fi 6 Dual Band Support
- Qualcomm© SDX62 Chipset

Key Benefits

- Intent-Based algorithm ensures users have the best FWA experience available
- Plug and play with existing Wi-Fi networks
- Quick and easy to install and set up
- Remote configuration and management
- FWA-optimized module and chipset
- API support for zero-touch deployment

Patented Intent-Based Network Optimization

The TITAN 5000 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, least congested sectors.

Technical Overview. The Global Telecom TITAN 5000 device is a cost effective, high-gain FWA solution designed for residential, small business and branch office locations. Compliant with 3GPP Release 16 it includes advanced 4x4 MIMO with category 20 throughput, three gigabit ethernet LAN ports and one 2500M LAN/WAN port, WiFi6 dual band support (IEEE802.11a/b/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 5000 DELIVERS

Simplified onboarding and more consistent site performance
that significantly reduces customer churn

Technical Specifications

Physical

Dimensions	7.60inches (H 193mm) x 7.20inches (W 183mm) x 2.17inches (D 55mm)
Weight	< 700g
Power consumptions	< 18W
Power Supply	12V/2.0A DC Adapter

Environmental

Operating Temperature	-15°C to 55°C
Storage Temperature	-40°C to 85°C
Humidity	90% max Non-condensing

Wireless Radio Interface

Radio Access	3GPP Release 16, 5G NSA/SA 5G NR Sub-6G, LTE-TDD/LTE-FDD/WCDMA
Operation Mode	5G 4x4 MIMO, LTE 4x4 MIMO 1700~3800MHz, LTE 2x2 MIMO 617~960MHz
Frequency Band	5G NSA n2/n5/n7/n12/n14/n25/n26/n30/n38/n41/n48/n66/n71/n77/n78/n79 5G SA n1/n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n71/n77/n78/n79 LTE-FDD B1/B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71 LTE-TDD B38/B41/B42/B43/B46*/B48 WCDMA B1/B2/B4/B5
Modulations	QPSK/QAM16/QAM64/QAM256
CA Support	4G: 5CC, 5G: 2CC and ENDC CA Support
Receive Sensitivity	Compliance with 3GPP standard
Output Power	23dBm±2dB Per Tx, Power Class2 DL and Power Class 1.5 UP/HPUE Support
Antenna Gain	2-6.5dBi Wide Band Antenna (617-6000MHz)
GNSS	GPS/GLONASS/Galileo/QZSS

Wi-Fi Interface

Radio Access	IEEE802.11a/b/g/n/ac/ax
MIMO & Data Rate	2 x 2 DBDC (3.6Gbps, BW=160MHz)
Output Power	12-15 dBm
Antenna	3-5dBi Built-in wide band antenna (2.4GHz & 5GHz)
Connected Users	64
Security	64/128-bit WEP, WPA/WPA2/WPA3

User Interface

Data Interface	3 GE RJ45 LAN Ports , 1 2500M LAN /WAN Port
LED Indicators	SYS, NET, RF1-4, 2.4GHz & 5GHz Wi-Fi, SDW, SIM
SIM Support	1.8V/3.0V Micro USIM 3FF, eSIM

Software Specifications

Networking Configuration	Router and L3 Bridge Operation Support Built-in DHCP Server for LAN Devices IPv4 and IPv6 Support Multiple PDN Interface Support
Data Networking Features	VPN Pass-through support (PPTP, L2TP & IPsec), Built-in L2TP & GRE Tunneling 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