GLOBAL TELECOM
WE ENGINEER CONNECTIVITY

TITAN 5400 5G-NR Outdoor

Outdoor, high-gain device that delivers secure, high-speed connectivity in the most challenging conditions

Overview

Rural homes and enterprise branch offices are often located in areas where existing FWA coverage options are limited. The TITAN 5400 significantly extends your coverage area with outdoor mounting, directional antennas, and the ability to connect to multiple operators with optional dual SIM/eSIM.

Features

- High-gain 4x4 MIMO directional antennas/2TX

- Wall and pole mounting options included in packaging

- 48V 2.5G PoE support

- Wide temperature range: -45℃ to 70℃

- Built-in GNSS support

- Dual SIM/eSIM

- Optional WiFi 6

Key Benefits

- Serve rural customers and hard-to-reach locations with high speed, low latency coverage up to 10 miles

- Support nearly all outdoor conditions with IP67 case protection

- Quick and easy to install and set up

- Remote configuration and management

- API support for zero-touch deployment

Patented Intent-Based Network Optimization

The TITAN 5400 also 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 5400 is a compact wall or pole mount outdoor fixed wireless solution designed to meet the demands of the most challenging FWA and wireless backhaul deployments. The device is compliant with 3GPP release 16 specifications and includes advanced 4x4 MIMO, high-gain directional antennas, carrier aggregation up to 100MHz, IP pass-through for primary and backup, supports multiple TDD and FDD band operations and 4G LTE CAT20 fallback standards, dual SIM/eSIM and WiFi 6.

TITAN 5400 Goes Beyond
The definitive way to deliver extended FWA coverage and performance

Technical Specifications	
Physical	
Dimensions	13" x 7.9" x 3.3"
Weight	< 2.5Kg
Power consumptions	< 15W
Power Supply	48V/0.5A DC (Passive PoE)
Ingress Protection	IP67
Environmental	
Operating Temperature	-45℃ to 70℃
Storage Temperature	-55℃ to 105℃
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/HPUE and 2xTX uplink
Antenna Gain	617-960MHz 3-5dBi (2x2) 1400-2700MHz 8-9dBi (4x4) 3300-6000MHz 10-13dBi (4x4)
GNSS	GPS/GLONASS/Galileo/QZSS
User Interface	
Data interface	1 RJ45 10/100/1000/2500M PoE Port
LED Indicators	PWR, SYS, NET, SIM, ETH, RF (5 Signal Intensity LEDs)
SIM Support	1.8V/3.0V USIM 2FF
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, PLMN Locking Support, Device Factory Default Setting