

TITAN 5100

5G-NR Window Mount

Global Telecom's latest innovation, the **TITAN 5100**, is a compact, high-performance indoor/outdoor/window mount device built for 5G NR Fixed Wireless Access (FWA) installations. Designed for both residential and small business environments, the TITAN 5100 prioritizes user convenience, advanced connectivity, and flexibility.

GLOBAL TELECOM'S ADVANCED SOLUTION FOR HIGH-PERFORMANCE 5G FWA

Self-Installation Made Easy: With flexible installation options (window, pole, or wall mounting), users can self-install the device, making it ideal for quick, easy setup in homes and offices.

Enhanced Connectivity: The device's 180° field of view and high-gain antennas provide optimal connectivity for consistent performance.

Patented Technology for Optimal Coverage: Equipped with Global Telecom's **Intent-Based Network Optimization**, the TITAN 5100 ensures a strong connection to the best available sectors, offering enhanced reliability.

KEY FEATURES AND BENEFITS



Advanced Wi-Fi Standards: The TITAN 5100 supports Wi-Fi 6, unlike other models limited to Wi-Fi 5, allowing for better performance, greater efficiency, and more device connections.



4x4 MIMO Antenna Configuration: High-end 4x4 MIMO antennas boost signal stability, providing reliable, high-speed connectivity that meets the demands of both residential and business users.



Cloud Management & API Integration: Remote configuration and API integration enhance ease of management and deployment, setting the TITAN 5100 apart from other devices lacking such capabilities.



PoE Flexibility: With PoE support, the TITAN 5100 is adaptable for diverse installations, offering an advantage over models that don't support this feature.



Compact & Durable Design: Measuring 11.3" x 6.4" x 2", the TITAN 5100's IP67-rated enclosure offers protection against harsh environmental conditions, ensuring durability over time.



Dual SIM/eSIM Support: The TITAN 5100's dual SIM/eSIM compatibility allows for flexible connectivity options, enhancing adaptability for various markets.



Qualcomm® Snapdragon™ SDX62 Chipset: A powerful chipset ensures fast and reliable processing for optimal performance.



VPN & Tunneling: Full Layer 2/3 GRE tunneling and VPN pass-through features ensure secure connections for business-critical data.

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°C to 55°C
Storage Temperature	-45°C to 85°C
Humidity	95% max non-condensing
Wireless Radio Interface	
Radio Access	3GPP Release 16, 5G NSA/SA 5G NR Sub-6G/LTE-TDD/LTE-FDD/WCDMA
Frequency Band (NA Version)	5G NSA n2/n5/n7/n12/n14/n25/n26/n30/n38/n41/n48/n66/n71/n77/n78 5G SA n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n70/n71/n77/n78 LTE-FDD B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71 LTE-TDD B38/B41/B42/B43/B46/B48 WCDMA B2/B4/B5
Frequency Band (EU Version)	5G NSA n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n48/n75/n77/n78 5G SA n1/n3/n5/n7/n8/n20/n26/n28/n38/n40/n41/n48/n75/n76/n77/n78 LTE-FDD B1/B3/B5/B7/B8/B18/B19/B20/B26/B28/B32 LTE-TDD B38/B40/B41/B42/B43/B48 WCDMA B1/B5/B8
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
Wi-Fi 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, SIM, 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