

TITAN 3000 LTE-A Cat 15 IDU Router

Global Telecom's TITAN 3000 is an advanced LTE-Advanced Cat 12/15 IDU router designed to provide quick and easy 4G fixed wireless service for small businesses and consumers looking to cut the cord once and for all.



Overview

The TITAN 3000 provides high-speed LAN, Wi-Fi and VoIP integrated services with high performance 4x4 MIMO and CA capabilities that can deliver up to 600 Mbps throughput - far exceeding wired broadband data speeds and easily satisfying the needs of HD video and VoIP applications. It's a fully integrated, user-friendly, plug and play solution that's easy to install and maintain with all necessary device drivers preloaded - just connect the TITAN 3000 to a computer or router and it's ready to go.

Features

- One Gigabit LAN/WAN port
- One Gigabit port + Three fast ports
- One RJ11 analog phone port
- 802.11b/g/n/ac and 802.11ac multiband Wi-Fi
- Advanced routing and firewall software for security
- Supports all 4G frequency bands
- Includes OMA-DM, TR069, and FOTA via sFTP and HTTPS for easy end-to-end local management
- FOTA support via sFTP, HTTP & HTTPS

Key Benefits

- Compliant to 3GPP Release 13
- Cost effective & compact design with integrated high gain MIMO wideband antennas
- Advanced 4x4 MIMO support with Category 12 Throughput
- 4 ethernet ports, 1 Gigabit port, VoIP Line,
- 802.11 b/g/n/ac dual band Wi-Fi
- Router, bridge, and bypass networking, IPv4 & IPv6 and multiple PDN support
- VPN & full L 2/ L3 GRE / L2TP tunneling client support
- Wireless/WAN fallback support option for networking redundancy

Patented Intent-Based Network Optimization

The TITAN 3000 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 Specifications

Physical	
Dimensions	135 mm (L) x 90 mm (W) x 180 mm (H)
Weight	< 750 g
Power consumptions	< 18 W
Power Supply	12 V / 1.5 A DC Adapter
Environmental	
Operating Temp	-15°C to 60°C
Storage Temp	-30°C to 85°C
Humidity	90% max (non-condensing)
Wireless Radio Interface	
Radio Access	3GPP Release 13 / LTE-TDD / LTE-FDD
Operation Mode	2T4R / 4x4 MIMO
Frequency Band	FDD : B2 / 3 / 4 / 5 / 12 / 13 / 17 / 25 / 26 / 66 / 71 TDD : B41 / 38 / 40 / 42 / 43 / 53 / 48 (CBRS)
Modulations	DL QPSK / QAM16 / QAM64 / QAM256 UL QPSK / QAM16 / QAM64
CA Support	DL CA up to 4CC UL CA 2CC
QoS Support	Non-GBR and GBR
Output Power	23 ± 1 dBm (2TX), HPUE B41 (26 dBm)
Antenna Gain	2-6 dBi External antennas optional
Wi-Fi_33 Interface	
Radio Access	WIFI5 - 802.11b/g/n/ac
MIMO & Data Rate	2x2, 1200 Mbps
Output Power	18 dBm
Antenna	4-6 dBi built-in antenna
Connected Users	64, configured
Security	Open / WEP / WPA / WPA2
VoIP / VoLTE Support (optional)	
Compression	G.711 / G.721 / G. 7222 / G.723 / G.726 / G.729
Comfort Noise	Comfort noise generation & control
Echo Cancellation	G.165/168-2000
Silence Handling	Silence detection / suppression
Fax Support	T.30 and T.38
Delay / Jitter / Loss	Jitter and packet loss compensation
DTMF Relay	In-band DTMF / RFC2833 / SIP signal
Call Duration	24+ hours uninterrupted calls
Basic Voices	Local, domestic & international calling Flexible dial plan configuration support Tone customization for different countries
Complementary Services	Caller ID, caller ID suppression, call screening, speed dial, call tracing, hotline, unconditional call forwarding, call forwarding no answer, call forwarding on busy, call waiting, call back, call blocking, no disturbance, alarm, network and local 3-way call, data call
User Interface	
Data Interface	1 GE WAN/LAN, up to 4 GE LAN, 1 USB C type
Line Interface	1 RJ11 LINE Port (optional)
LED Interface	SYS, NET, RF, WIFI (2.4 & 5 GHz), Line, WPS
SIM Support	SIM Card Slot (2FF)
TF Card	32 or 64 MB
Networking Support	
Multiple PDN Support	Multi APN support Up to 4 APNs
IP Protocol Support	IPv4 and IPv6 DS-Lite Support for 4G LTE
Basic Networking	Router and L3 bridge operation mode, Built-in DHCP server for LAN devices , DNS proxy support
DMZ & Port Forwarding	DMZ and virtual server support, IP and port forwarding support
Firewall	Hostless and driverless Module interface. Firewall & access control / application firewall support
VPN Networking	VPN pass-through support (PPTP, L2TP & IPsec), Built-in L2TP & GRE tunneling support
IP Passthrough	Supported
Failover	Supported LTE and WAN
Management	NTP service support / Local & remote management restriction
Device Management	
User Device Management	CLI, Telnet, HTTP and HTTPS management interfaces
Network Management	Standard OMA-DM and TR-069 management
FOTA Support	FTP and HTTP OTA firmware upgrade
Device Security	User SIM and network PLMN locking support