



TITANIUM 4211

Dualband Wi-Fi 1200 Mbps

Triple Play Home Gateway Series



Product Description

Titanium is our next generation Home Gateway dualband WiFi ONT series supporting triple play services for high end demand. Format and design is build to fit the market demands in most way and provides High quality services supporting WiFi, High bandwidth, Gigabit data, Quality voice services and IPTV services.

Product Features

- » Simple Fiber termination
- » 2x2 11n WiFi AP, speed upto 300 Mbps
- » Advanced 802.11AC 2T2R speed up to 550 Mbps
- » Fiber port with 1.244/2.488 Gbps link speed
- » 4xGE + 2xFXS (RJ11 Port for VoIP services)
- » Advances Management capability
- » Broadcast and loop protection

A perfect fit for every deployment scenario...

Titanium are part of our SATURN product family and has been developed in such a way that it can be integrated into various deployment models, including single dwelling and multi dwelling scenarios. Using products from Saturn family, the demarcation point can be extended to any desired location in the home, enabling easy access and installation of services. Its small size makes the product, a perfect fit in any environment, be it a living room, meeting cabinet or basement.

PRODUCT FEATURES AND SPECIFICATIONS

TITANIUM 4211

General Specifications

- » Dimensions
242mm(L)×207mm(W)×65mm(H)
- » Weight < 600 g
- » Power supply voltage 12 Vdc ± 5%, 1.5A
- » Operating temperature 0 - 50 °C
- » Storage temperature 0 - 70 °C

User interfaces

- 4x Gigabit Ethernet (GE)
- 2x FXS Voice interface/POTS
- 1x USB 2.0
- 1x WPS
- 1x Reset
- 1x Power connector

Standards

- » Compliant with ITU-T G.984 (G.984.5 support)
- » Compliant with SFF-8472
- » Compliant with IEEE 802.3 Ethernet
- » Compliant with ITU-T G.984.2 Amd1, Class B+
- » Compliant with 802.1 q/p VLANs

Voice FXS

- » Supports SIP, RTP protocol
- » CODEC: G.711, G.729(A/B)
- » Support Call ID / Call waiting / Call forwarding / Call Transfer / 3-way Calling and T.38 FAX
- » Support echo cancellation, compliant with G.165, G.168
- » Support voice activity detection, comfort noise insertion

LAN interface(s)

- » Compliant with IEEE 802.3 (u & az) Clause 40 (1000/100/10BASE-T)
- » LED indicators for link & activity

WiFi

802.11n

- » Dual Antenna (Internal, 3dBi) 2x2 MIMO
- » Throughput > 140Mbps at 40MHz bandwidth
- » Compliant with IEEE 802.11n, 2.4GHz, 20/40MHz bandwidth
- » Receiving sensitivity -68dBm
- » Rx Frequency range(Mhz) 2412.0-2472.0
- » Tx Frequency range(Mhz) 2412.0-2472.0

802.11ac

- » Dual Antenna (External, 5dBi) 2x2 MIMO
- » Throughput > 550 Mbps
- » EVM (11ac MCS) : < -32dB

Management

- » OMCI
- » CLI
- » TR-069 supported
- » Advanced GUI









ONT Remote WAN Management

- » PPPoE
- » DHCP
- » Static IP
- » Factory restore
- » Protocol port 80 enable/disable

Emission & Safety Regulations

- » FCC and CCC compliant
- » Safety :
 - IEC 60950
 - UL94HB flammability class
- » Laser Safety :
 - IEC EN 60825 class 1
 - FDA 21 CFR 1040.10/11 Class 1
- » Emission & Immunity :
 - EN 55022/CISPR 22:2008, Class B
 - EN 61000
 - EN 55024
- » RoHS/WEEE marking :
 - Compliant with 2002/95/EC

Status LEDs

-  Power
-  Fiber uplink status, PON
-  Telephony status 1-2
-  CATV status
-  WiFi status
-  Connectivity status, Internet
-  LAN1-4 status
-  Fiber uplink status, LOS

Others

- RST Reset button

Titanium product models

Model	Type	LAN Interface	Voice/POTS	WiFi11N	WiFi11AC
TITANIUM 4211	GPON WiFi ONT	4x	2x	Yes	Yes