

TG6441B Wireless Gateway

FEATURES:

- DOCSIS 3.1 2x2 with EuroDOCSIS 3.0 32x8 Channel Bonding
- Switchable Upstream diplexer
- 2.5Gbps Downstream support with internal Spectrum Analyzer
- Dual Mode Scanning Support
- Full Capture Bandwidth Tuner
- Multi Processor Technology with Intel Atom Core Application Processor
- 4 port Gigabit Ethernet switch
- 4x4:4 Wi-Fi 6 Dual Band Concurrent Radio
- Advanced Firmware support for IPv6, DS-Lite, and SoftGRE
- One FXS lines of carrier-grade VoIP with HD voice support



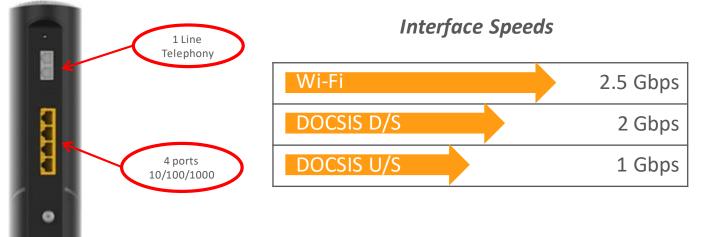
PRODUCT OVERVIEW:

Operators are wanting to push the limits on DOCSIS 3.1 performance and the user experience delivered to the customer. The TG6441B with its superior Wi-Fi 6 Dual Band Wireless radios and Gigabit Ethernet interfaces can deliver this performance while also offering improvements in home coverage above that of other models. This feature-packed unit is intended to serve as the hub of the subscribers network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises.

Residential gateway support has always been a concern of the operator. The TG6441B distinguishes itself with capabilities to minimize these support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181) allow custom designed setups to be applied to monitor the end user more efficiently. Multiple remote access levels (User, Cusadmin, technician and MSO) also allow more ease and flexibility for manual configuration and control.

The TG6441B will help lead the future to advanced home and small office services.





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SPEC	Δ I I I	

Physical		RF Upstream	
Operating Temperature °C	0 to 40	Bonded Channels	Up to 8 SCQAM or 2 OFDMA
Operating Relative Humidity	5-85% (Non condensing)	Frequency Range (MHz)	5 to 85/204 (switchable)
Storage Temperature °C	-40 to 70	Data Rate (Mbps Max.)	up to 1 Gbps
Dimensions (H x W x D) mm	200 x 160 x 52 (excludes "F" connector)	RF Output Level (dBmV)	+65 dBmV (64 QAM, single upstream) +57dBmv (64QAN
Weight kgs.	0.8		4-8 upstreams) +65 dBmV (16 QAM, single upstreams)
Diagnostic LED's (Front)	Phone, Internet, WPS, Wi-Fi, Power		
Diagnostic LED's (Rear)	Ethernet Link/Speed		
Front Switches	WPS	Wireless 2.4GHz & 5 GHz	
Interfaces RF Interface	External 'F' type connector	Transmit Power (from any antenna)	+27dBm (MCS7) +26dBm (MCS9)
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45	Spatial Streams	4 for 2.4GHz, 4 for 5GHz
Analog Telephony Interface	connector) 1 lines; RJ-11	Receive Levels	2.4GHz <-88dBM 802.11ax (MCS0) <-71dBm 802.11ax (MCS7), HT20
Input Voltage (nominal)	12VDC		5.0GHz <-84dBM 802.11ax (MCS0)
Input Current (max)	2.5Amps		<-57dBm 802.11ax (MCS9), VHT80
Telephony		Antennas	2.4 GHz 4 transmit and 4 receive 5 GHz 4 transmit and 4 receive
Supervisory Voltage	48 Vdc nominal		
Ringing Load Capacity	3 REN		
Provisionable High Loop Current Mode	Yes (40mA constant current source)	ORDERING NUMBERS	
Codec Support	G.729, G.711, G.722	1001422 TG6441B	/CE - GENERIC FOR EMEA
RF Downstream			
Bonded Channels/OFDM	Up to 32/2		
Tuner Configuration	Full capture tuning range		
Frequency Range (MHz)	108/258 to 1218 (switchable)		
Data Rate (Mbps Max.)	>4 Gbps		
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS))		

Note: WiFi Powers and channels may be limited by the country of operation.

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Rev. DRAFT