

TG2472 Wireless Gateway

FEATURES:

- 24x8 Channel Bonding
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 1.2GHz Intel Atom Core Application Processor
- DOCSIS[®] 3.0 and PacketCable[™] 2.0 compliant design
- 4 port Gigabit Ethernet Wireless Router
- 3x3 Integrated Dual Band Concurrent 2.4GHz 802.11n and 5GHz 802.11ac High Power Radios
- MoCA 2.0 for in Home Video and Data distribution over Coax
- USB 2.0 Host Port
- Two FXS lines of carrier-grade VoIP with HD voice support
- Internal Power Supply for Highest Reliability
- Battery backup



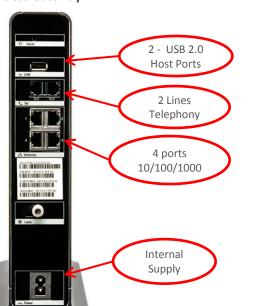
PRODUCT OVERVIEW:

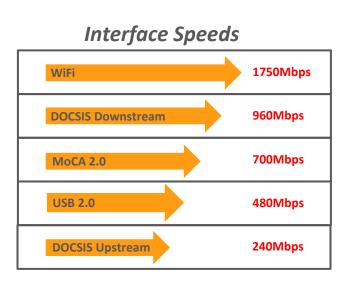
Operators are wanting to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The TG2472G with its superior 802.11ac Dual Band Wireless radios, USB, and MoCA 2.0 interfaces can deliver this performance while also offering improvements in home coverage above that 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 TG2472G 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, and MSO) also allow more ease and flexibility for manual configuration and control.

The TG2472G will help lead the future to advanced home and small office services.

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Physical		RF Upstr	ream	
Operating Temperature °C	0 to 50	Bonded Channels		Up to 8
Operating Relative Humidity	5-85% (Non condensing)	Frequency Range (MHz)		5 to 42 or 85 depending on model
Storage Temperature °C	-40 to 70	Data Rate (Mbps Max.)		up to 240
Dimensions (H x W x D) in.	10.1 x 10.3 x 3.25	RF Output Level (dBmV)		+57 dBmV (64 QAM, single
Backup Capacity (not supplied)	4 cell 2.2AH Lithium-ion for 8 hours operation. (#718005 Battery Pack)			upstream) +54dBmv (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream)
Weight Ibs	2.5 (With Battery included)			
Battery Storage Temperature °C	-20 to 60 Note: Storage above 77°F (25°C) will significantly reduce life of the battery and is not recommended.			+56 dBmV (SCDMA, single upstream)
		Wireless		
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz,	Frequency Range Transmit Power (from any antenna) Spatial Streams		2.5GHz and 5GHz
Diagnostic LED's (Rear)	5GHz, Tel1, Tel2, Battery, MoCA Ethernet Link/Speed			+27dBm (MCS7) +26 dBm (MCS9)
Interfaces				3
RF Interface	External 'F' type connector	Receive Levels		2.4GHz - <-88dBM 802.11n (MCS0) <-71dBm 802.11n (MCS7), HT20 5.0GHz - <-84dBM 802.11ac (MCS0)
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)			
Analog Telephony Interface	2 lines; RJ-11			, <-57dBm 802.11ac (MCS9), VHT80
USB Interface	USB 2.0 Powered Host Ports	MoCA		
MoCA	MoCA2.0	Frequency Range (MHz) Network Channel Bandwidth (MHz)		1150 – 1500
Input Voltage (nominal)	115VAC, 50/60 Hz			50
Telephony		Max Transmit Power (dBm) Max Phy Rate (Mbps) Application Data Rate (Mbps) Ordering Information		
Supervisory Voltage	48 Vdc nominal			+ 9 max (adjustable)
Ringing Load Capacity	10 REN total; 5 per line			700
Provisionable High Loop Current Mode	Yes (40mA constant current source)			400+ bidirectional combined
RF Downstream		Model	Description	
Bonded Channels	Up to 24	783939DG2472G/NA-0, 42MHz Upstream, No BatteryTBDDG2472G/NA-8, 42MHz Upstream, 8Hr Battery		
Tuner Configuration	Full capture tuning range			Jpstream, No Battery
Frequency Range (MHz)	108-1002 DOCSIS			
Data Rate (Mbps Max.)	Up to 960	783941	DG2472G/NA-85-0. 85MHz Upstream, No Battery	
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS))	TBD DG2472G/NA-85-8. 85MHz Upstream, 8 Hr Battery		

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