

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:

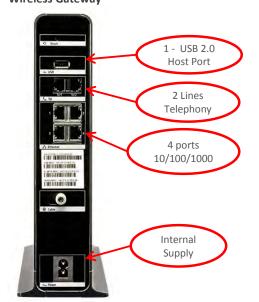
Operators are wanting to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The TG2472G with its superior 802.11ac Dual Band Wireless radios, USB, and MoCA 2.0 interfaces can deliver this performance while also offering improvements in home coverage above that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

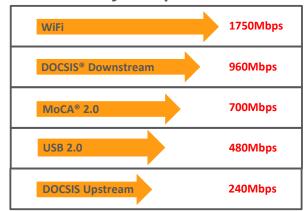


TG2472G Wireless Gateway





Interface Speeds



Specifications

RF UpstreamBonded Channels

| Physical | | |
|---|---|--|
| Operating Temperature °C | 0 to 50 | |
| Operating Relative Humidity | 5-85% (Non condensing) | |
| Storage Temperature °C | -40 to 70 | |
| Dimensions (H x W x D) in. | 10.1 x 10.3 x 3.25 | |
| Backup Capacity (not supplied) | 4 cell 2.2AH Lithium-ion for 8 hours operation. (#718005 Battery Pack) | |
| Weight lbs | 2.5 (With Battery included) | |
| Battery Storage Temperature °C | -20 to 60 Note: Storage above 77ºF (25ºC) will significantly reduce life of the battery and is not recommended. | |
| Diagnostic LED's (Front) | Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, Battery, MoCA | |
| Diagnostic LED's (Rear) | Ethernet Link/Speed | |
| Interfaces | | |
| RF Interface | External 'F' type connector | |
| Data Interfaces (bridged) | 4 x 10/100/1000 Base-T Ethernet (RJ- 45 connector) | |
| Analog Telephony Interface | 2 lines; RJ-11 | |
| USB Interface | USB 2.0 Powered Host Port | |
| MoCA | MoCA2.0 | |
| Input Voltage (nominal) | 115VAC, 50/60 Hz | |
| Telephony | | |
| Supervisory Voltage | 48 Vdc nominal | |
| Ringing Load Capacity | 10 REN total; 5 per line | |
| Provisionable High Loop Current Mode | Yes (40mA constant current source) | |
| RF Downstream | | |

Up to 24

Up to 960

Full capture tuning range

108-1002 DOCSIS

-15 to +15 (DOCSIS))

| 5 to 42 or 85 depending on model up to 240 +57 dBmV (64 QAM, single upstream) +54dBmv (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream) |
|---|
| |
| 2.5GHz and 5GHz |
| |
| +25.5dBm (MCS0), +24.5dbm (MCS7) |
| +25.5dBm (MCS0), +22.5dbm (MCS9) |
| - |
| 2.4GHz - <-88dBM 802.11n (MCS0) <-71dBm 802.11n (MCS7), HT20 |
| 5.0GHz - <-84dBM 802.11ac (MCS0) <-57dBm 802.11ac (MCS9), VHT80 |
| |
| 1150 – 1500 |
| 50 |
| + 9 max (adjustable) |
| |
| |

400+ bidirectional combined

Up to 8

Ordering Information

Application Data Rate (Mbps)

| Model | Description |
|--------|---|
| 783937 | TG2472G/NA-0, 42MHz Upstream, No Battery |
| 804032 | TG2472G/NA-8, 42MHz Upstream, 8Hr Battery |

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Bonded Channels

Tuner Configuration

Frequency Range (MHz)

Data Rate (Mbps Max.)

RF Input Sensitivity Level (dBmV)