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

### Specifications

#### 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 77°F (25°C) 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**: Yes (40mA constant current source)
- **Current Mode**: Yes

#### RF Downstream
- **Bonded Channels**: Up to 24
- **Frequency Range (MHz)**: Full capture tuning range
- **Data Rate (Mbps Max.)**: 108-1002 DOCSIS
- **RF Input Sensitivity Level (dBmV)**: -15 to +15 (DOCSIS)

### Interface Speeds

<table>
<thead>
<tr>
<th>Interface</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIFI</td>
<td>1750Mbps</td>
</tr>
<tr>
<td>DOCSIS® Downstream</td>
<td>960Mbps</td>
</tr>
<tr>
<td>MoCA® 2.0</td>
<td>700Mbps</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>480Mbps</td>
</tr>
<tr>
<td>DOCSIS Upstream</td>
<td>240Mbps</td>
</tr>
</tbody>
</table>

#### RF Upstream
- **Bonded Channels**: Up to 8
- **Frequency Range (MHz)**: 5 to 42 or 85 depending on model
- **Data Rate (Mbps Max.)**: up to 240
- **RF Output Level (dBmV)**: +57 dBmV (64 QAM, single upstream)
- **+54dBm (64QAM, 4-8 upstreams)**
- **+58dBm (16 QAM, single upstream)**
- **+56 dBmV (SCDMA, single upstream)**

#### Wireless
- **Frequency Range**: 2.5GHz and 5GHz
- **Transmit Power (from any antenna)**: 2.4GHz 5GHz
- **Spatial Streams**: 3
- **Receive Levels**: 2.4GHz - <-88dBm 802.11n (MCS0)
- **-<-71dBm 802.11n (MCS9), HT20**
- **5.0GHz - <-84dBm 802.11ac (MCS0)**
- **<-71dBm 802.11ac (MCS7), HT20**
- **5.0GHz - <-84dBm 802.11ac (MCS5)**
- **<-57dBm 802.11ac (MCS9), VHT80**

#### MoCA
- **Frequency Range (MHz)**: 1150 – 1500
- **Network Channel Bandwidth (MHz)**: 50
- **Max Transmit Power (dBm)**: + 9 max (adjustable)
- **Max Phy Rate (Mbps)**: 700
- **Application Data Rate (Mbps)**: 400+ bidirectional combined

#### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>783937</td>
<td>TG2472G/NA-0, 42MHz Upstream, No Battery</td>
</tr>
<tr>
<td>804032</td>
<td>TG2472G/NA-8, 42MHz Upstream, 8Hr Battery</td>
</tr>
</tbody>
</table>

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