Operators are wanting to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The DG2470 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 DG2470 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 DG2470 will help lead the future to advanced home and small office services.

**FEATURES:**
- 24x8 Channel Bonding
- Full Capture Bandwidth Tuner with Spectrum Analyzer
- DOCSIS® 3.0 compliant design
- Multi Processor Technology with a 1.2GHz Intel Atom Core Application Processor
- Internal 32 bit Data architecture for maximum speeds
- 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
- Internal Power Supply for Highest Reliability

**PRODUCT OVERVIEW:**
Operators are wanting to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The DG2470 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.

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**Interface Speeds**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wi-Fi</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>

### Specifications

**Physical**
- **Operating Temperature °C**: 0 to 40
- **Operating Relative Humidity**: 5-85% (Non condensing)
- **Storage Temperature °C**: -40 to 70
- **Dimensions (H x W x D) inches**: 9.25 x 7.5 x 2.25 (excludes “F” connector)
- **Weight lbs.**: 1.4
- **Diagnostic LED’s (Front)**: Power, US/DS, Online, 2.4GHz, 5GHz, MoCA, WPS
- **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)
- **USB Interface**: USB 2.0 Powered Host Port
- **MoCA**: MoCA2.0
- **Input Voltage (nominal)**: 115/220VAC, 50/60 Hz

**RF Downstream**
- **Bonded Channels**: Up to 24
- **Tuner Configuration**: Full capture tuning range
- **Frequency Range (MHz)**: 108-1002 DOCSIS
- **Data Rate (Mbps Max.)**: Up to 960
- **RF Input Sensitivity Level (dBmV)**: -15 to +15 (DOCSIS)

**RF Upstream**
- **Bonded Channels**: Up to 8
- **Frequency Range (MHz)**: 5 to 42 or 5 to 85 depending on model
- **Data Rate (Mbps Max.)**: up to 240
- **RF Output Level (dBmV)**: +57 dBmV (64 QAM, single upstream)
- **Wireless**
  - **Frequency Range**: 2.5GHz and 5GHz
  - **System Transmit Power (2.4GHz)**: +32dBm (MC50), +30dbm (MC57)
  - **System Transmit Power (5GHz)**: +32dBm (MC50), +30dbm (MC59)
  - **Spatial Streams**: 3
  - **Receive Levels**: 2.4GHz - <-90dBm 802.11n (MC50), <-69dBm 802.11n (MC57), HT20 5.0GHz - <-90dBm 802.11ac (MC50), <-60dBm 802.11ac (MC59), VHT80
  - **Antennas**: 3 transmit, and 3 receive (per band)

**MoCA**
- **Frequency Range (MHz)**: 1150 – 1500
- **Network Channel Bandwidth (MHz)**: 100
- **Max Transmit Power (dBm)**: + 9 max (adjustable)
- **Transmit Power Shipped (dBm)**: 0
- **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>DG2470/NA-0, 42MHz Upstream,</td>
</tr>
<tr>
<td>783938</td>
<td>DG2470/NA-85, 85MHz Upstream</td>
</tr>
</tbody>
</table>

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Note: The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.