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.
## 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 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)
  - +54dBmV (64QAM, 4-8 upstreams)
  - +58dBmV (16 QAM, single upstream)
  - +56 dBmV (SCDMA, 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), -90dBm 802.11n (MC57), HT20, 5.0GHz: -90dBm 802.11ac (MC50), -90dBm 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
- **Model | Description**
  - 783937  | DG2470/NA-0, 42MHz Upstream,
  - 783938  | DG2470/NA-85, 85MHz Upstream