

# DG3270

## Wireless Gateway

### FEATURES:

- 32x8 Channel Bonding
- >1Gbps Downstream Throughput
- 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



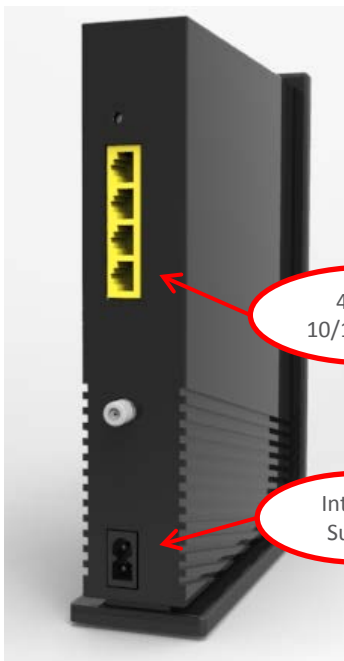
### PRODUCT OVERVIEW:

Operators are wanting to push the limits on DOCSIS® 3.0 support speeds beyond 1Gbps in today's competitive world. The DG3270 delivers on this performance combined with MoCA2.0 and its superior high power wide coverage 802.11ac Dual Band Concurrent wireless radios. This feature-packed unit is intended to serve as the hub of the subscriber's network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customer's premises.

Residential gateway support has always been a concern of the operator. The DG3270 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 DG3270 will help lead the future to advanced home and small office services.

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4 ports  
10/100/1000

Internal  
Supply

### Interface Speeds

Wi-Fi	1750Mbps
DOCSIS Downstream	1280Mbps
MoCA 2.0	700Mbps
USB 2.0	480Mbps
DOCSIS Upstream	240Mbps

### 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 32
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108-1002 DOCSIS
Data Rate (Mbps Max.)	Up to 1280
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

#### Ordering Information

Model	Description
804116	DG3270/NA-0, 42MHz Upstream,
804115	DG3270/NA-85, 85MHz Upstream

#### 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) +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 (MCS0), +30dbm (MCS7)
System Transmit Power (5GHz)	+32dBm (MCS0), +30dbm (MCS9)
Spatial Streams	3
Receive Levels	2.4GHz - <-90dBm 802.11n (MCS0) , <-69dBm 802.11n (MCS7), HT20 5.0GHz - <90dBm 802.11ac (MCS0) , <-60dBm 802.11ac (MCS9), VHT80
Antennas (per band)	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

Note: WiFi power shown is the maximum supported by the product and subject to limitations in the country deployed.