

Touchstone[®] DG3270 Cable Gateway

32x8 DOCSIS[®] 3.0 Gateway with 802.11ac Wi-Fi & MoCA[®]2.0

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.



Interface Speeds

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

SPECIFICATIONS

Physical

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

SPECIFICATIONS

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	MoCA 2.0
Input Voltage (nominal)	115/220VAC, 50/60 Hz

SPECIFICATIONS

RF Downstream

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

RF Upstream

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

SPECIFICATIONS

Wireless

Frequency Range	2.4GHz and 5GHz
Transmit Power (from any antenna)	+32dBm (MCS0), +30dbm (MCS7) +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	3 transmit, and 3 receive per band

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

MoCA

Frequency Range	1150MHz –1500MHz
Network Channel Bandwidth	100MHz
Max Transmit Power	+ 9 dBm max (adjustable)
Max PhyRate	700 Mbps
Application Data Rate	400+ Mbps bidirectional combined

ORDERING INFORMATION

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

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
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