advanced media technologies®

MODEL

DG2470

WIRELESS GATEWAY

ARRIS

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

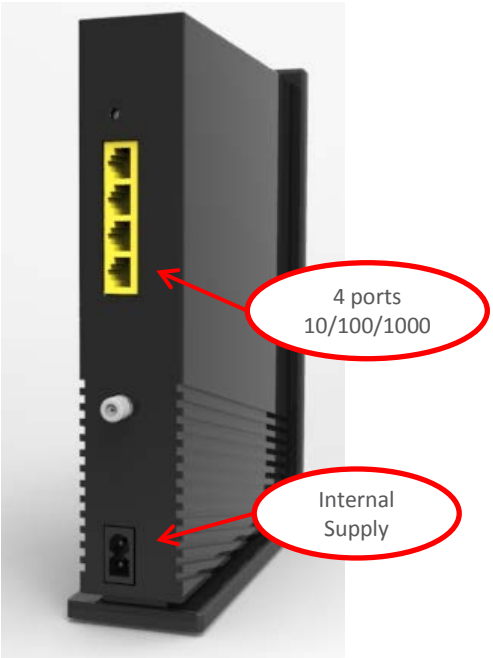
PRODUCT OVERVIEW:

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.

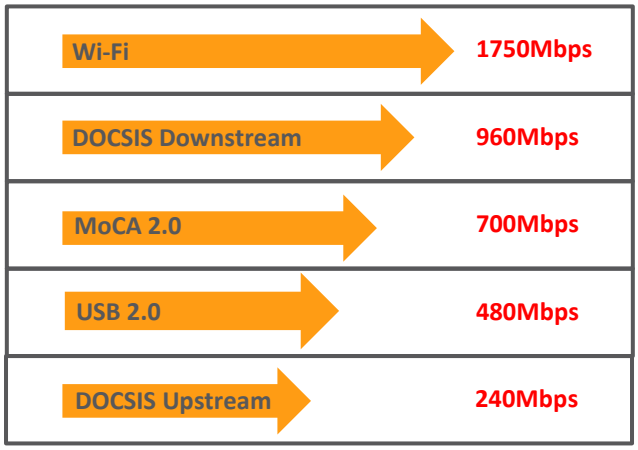
Residential gateway support has always been a concern of the operator. The DG2470 distinguishes itself with capabilities to minimize these support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181) allow custom designed setups to be applied to 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.

DG2470 Wireless Gateway



Interface Speeds



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) +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) System Transmit Power (5GHz)	+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)

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

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