

# ARRIS DG3270

## DOCSIS 3.0 WIRELESS GATEWAY

### FEATURES

- 32x8 Channel Bonding
- > 1 Gbps 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 SPECIFICATIONS

#### PHYSICAL

##### Bonded Channels

Up to 8

##### Frequency Range

5MHz-42MHz or 5MHz-85MHz (depends 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 (SCOMA, single upstream)

#### 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)

115VAC-220VAC, 50/60 Hz



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### PRODUCT SPECIFICATIONS

#### 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 +15dBmV (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) +54 dBmV (64QAM, 4-8 upstreams) +58 dBmV (16 QAM, single upstream) +56 dBmV (SCOMA, single upstream)

#### 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 802.11 ac (MCS9), VHT80
Antennas	3 transmit, and 3 receive (per band)



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## **PRODUCT SPECIFICATIONS**

### **MOCA**

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