

# ARRIS DG2470A

**DOCSIS 3.0 WIRELESS GATEWAY**

## 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 SPECIFICATIONS

### PHYSICAL

Operating Temperature °F (°C)	32 to 104 (0 to 40)
Operating Relative Humidity (Min-Max)	5-85% (Non condensing)
Storage Temperature °F (°C)	-40 to 158 (-40 to 70)
Dimensions (H x W x D)	9.25 x 7.5 x 2.25 in. - excluding F-connector
Weight	1.4 lbs.
Diagnostic LEDs (Front)	Power, US/DS, Online, 2.4GHz , 5GHz, MoCA, WPS
Diagnostic LEDs (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	MoCA 2.0
Input Voltage (nominal)	115VAC-220VAC, 50/60 Hz



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#### 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) +54 dBmV (64QAM, 4-8 upstreams) +58 dBmV (16 QAM, single upstream) +56 dBmV (SCOMA, 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 802.11 ac (MCS9), VHT80
Antennas	3 transmit, and 3 receive (per band)



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## ***PRODUCT SPECIFICATIONS***

### ***MOCA***

<b>Frequency Range (MHz)</b>	1150-1500
<b>Network Channel Bandwidth (MHz)</b>	100
<b>Max Transmit Power (dBm)</b>	+9 max (adjustable)
<b>Transmit Power Shipped (dBm)</b>	0
<b>Max Phy Rate (Mbps)</b>	700
<b>Application Data Rate (Mbps)</b>	400+ bidirectional combined