

# ARRIS DG3450

**DOCSIS 3.1 CABLE GATEWAY**

## FEATURES

- 2x2 OFDM and OFDMA DOCSIS® 3.1 channels
- 32x8 SCQAM DOCSIS® 3.0 channels
- Multi Processor Technology with ARM and ATOM based Application Processor
- Full Capture Bandwidth Tuner
- 4 port Gigabit Ethernet Router
- Switchable upstream filters for 42MHz or 85MHz operation.
- 4x4 Integrated Dual Band Concurrent 5GHz 802.11ac Wave2 radios and 3x3 2.4GHz 802.11n for high performance WLAN
- MoCA2.0 (with channel bonding) for in Home Video and Data distribution over Coax
- Multiple SSID support with DFS channels and Dynamic Channel change
- Single PCB design
- Multiple operator controlled configuration options
- Designed for enhanced application support



## PRODUCT SPECIFICATIONS

### PHYSICAL

<b>Operating Temperature</b>	0 to 40°C
<b>Operating Relative Humidity</b>	5-85% (Non condensing)
<b>Storage Temperature</b>	-40 to 70°C
<b>Dimensions</b>	9.33 x 2.87 x 8 in. (H x W x D)
<b>Backup Capacity (not supplied)</b>	External BBU
<b>Weight</b>	1.94 lbs.
<b>Diagnostic LEDs (Top)</b>	Integrated LED for status of Power, US/DS, Online, 2.4GHz, 5GHz, Battery, MoCA
<b>Diagnostic LEDs (Rear)</b>	MoCA, Ethernet Link/Speed



# ARRIS DG3450

## DOCSIS 3.1 CABLE GATEWAY

### PRODUCT SPECIFICATIONS

#### INTERFACES

RF Interface	1 External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
MoCA	MoCA 2.0
Input Voltage (nominal)	12V DC
AC-DC	External

#### DOWNSTREAM

Bonded Channels	Up to 32 SCQAM or 2 OFDM
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108MHz - 1002MHz DOCSIS
Data Rate (Mbps Max.)	Up to 5Gbps
RF Input Sensitivity Level	-15dBmV to +15dBmV (DOCSIS)

#### UPSTREAM

Bonded Channels	Up to 8 SCQAM or 2 OFDMA
Frequency Range	5MHz to 85MHz
Configurable Diplex Filter	42MHz-85MHz
Data Rate (Mbps Max.)	Up to 1Gbps
RF Output Level	+65 dBmV (64 QAM, single upstream) +57 dBmV (64 QAM, 4-8 upstreams) +65 dBmV (16 QAM, single upstream)

#### WIRELESS

Frequency Range	2.4GHz and 5GHz
Transmit Power (from any antenna)	+29dBm (MCS7, 2.4GHz) +28 dBm (MCS7, 5GHz, HT20) +26 dBm (MCS9, 5GHz, VHT40)
Spatial Streams	3 for 2.4GHz, 4 for 5GHz



# ARRIS DG3450

DOCSIS 3.1 CABLE GATEWAY

## PRODUCT SPECIFICATIONS

### WIRELESS CONT.

#### Receive Levels

2.4GHz <-88dBm 802.11n (MCS0),  
<-71dBm 802.11n (MCS7), HT20  
5.0GHz <-89dBm 802.11ac (MCS0),  
<-60dBm 802.11ac (MCS9), VHT80  
7 transmit, and 7 receive (total)

#### Antennas

### MOCA

#### Frequency Range

1150MHz –1500MHz

#### Network Channel Bandwidth

50MHz

#### Max Transmit Power

+9 dBm max (adjustable)

#### Max PhyRate

400 Mbps

#### Applications Data Rate

800 Mbps bidirectional combined