



ARRIS TG3452

**DOCSIS® 3.1 GATEWAY WITH
802.11AC WI-FI & MOCA® 2.0**

FEATURES

- 2x2 OFDM and OFDMA DOCSIS® 3.1 channels
- 32x8 SCQAM DOCSIS® 3.0 channels
- Full Capture Bandwidth Tuner
- Multi Processor Technology with ARM and ATOM based Application Processor
- 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
- MoCA 2.0 (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

Operating Temperature	0 to 40°C
Operating Relative Humidity	5-85% (non-condensing)
Storage Temperature	-40 to 70°C
Dimensions (H x W x D)	11.1 in. x 2.95 in. x 8.07 in.
Backup Capacity (not supplied)	External BBU
Weight	2.1 lbs.
Diagnostic LEDs (Front)	Integrated LED for status of Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, Battery, MoCA
Diagnostic LEDs (Rear)	MoCA, Ethernet Link/Speed



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PRODUCT SPECIFICATIONS

INTERFACES

RF Interface	1 External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Analog Telephony Interface	2 lines; RJ-11
MoCA	MoCA 2.0
Input Voltage (nominal)	12V DC
AC-DC	External

RF DOWNSTREAM

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

RF UPSTREAM

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

MOCA

Frequency Range	1150MHz-1500MHz
Network Channel Bandwidth	50MHz
Max Transmit Power	+9 dBm max (adjustable)
Max PhyRate	1400 Mbps
Application Data Rate	800 Mbps bidirectional combined



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PRODUCT SPECIFICATIONS

WIRELESS

Frequency Range	2.4GHz and 5GHz
Transmit Power (from any antenna)	+29 dBm (MCS7, 2.4GHz) +28 dBm (MCS0, 5GHz, HT20) +26 dBm (MCS9, 5GHz, VHT0)
Spatial Streams	3 for 2.4GHz, 4 for 5GHz
Receive Levels	2.4GHz <-88dBm 802.11n (MCS0), <-71dBm 802.11n (MCS7), HT20 5.0GHz <-89dBm 802.11ac (MCS0), <-60dBm 802.11ac (MCS9), VHT80
Antennas	7 transmit, and 7 receive (total)