



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



SPECIFICATIONS	
Physical	
Operating Temperature	0 to 50°C
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature	-40 to 70°C
Dimensions (H x W x D)	11.1in x 2.95in x 8.07in 282mm x 75mm x 205mm
Backup Capacity (not supplied)	External BBU
Weight	2.1lbs 0.95kg
Diagnostic LED's (Top)	Integrated LED for status of Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, Battery, MoCA
Diagnostic LED's (Rear)	MoCA, Ethernet Link/Speed

SPECIFICATIONS	
Interfaces	
RF Interface	1 External 'F' type connector
Date 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

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Arris Touchstone TG3452 Cable Modem Voice Gateway DOCSIS 3.1



SPECIFICATIONS

RF 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)
RF 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)

SPECIFICATIONS

Wireless	
Frequency Range	2.4GHz and 5GHz
Transmit Power (from any antenna)	+27dBm (MCS7) +26 dBm (MCS9)
Spatial Streams	3 for 2.4GHz, 4 for 5GHz
Receive Levels	2.4GHz <-88dBm 802.11n (MCS0) , <-71dBm 802.11n (MCS7), HT20 5.0GHz <-84dBm 802.11ac (MCS0) , <-57dBm 802.11ac (MCS9), VHT80
Antennas	7 transmit, and 7 receive (total)
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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