Adams Cable Equipment
RESELL • REUSE • RECOVER • RECYCLE

ARRIS TG1672G

DOCSIS 3.0 RESIDENTIAL GATEWAY

FEATURES

- 16x4 Channel Bonding
- Full Capture Bandwidth Tuner
- Multi Processor Technology with an Intel Atom Core Application Processor
- DOCSIS® 3.0 and PacketCable™ 2.0 compliant design
- 4 port Gigabit Ethernet Wireless Router
- 3x3 Integrated Dual Band Concurrent 2.4GHz and 5GHz 802.11n radios with Beam Forming
- USB 2.0 Host Port
- Upcoming support for DLNA and File Storage
- Two FXS lines of carrier-grade VoIP with HD voice support
- MoCA1.1 for in Home Video and Data distribution over Coax
- Dual Stack IPv4/IPv6 Home Router
- Internal Power Supply for Highest Reliability
- Battery backup

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)
Color	Black
Dimensions (H x W x D)	10.8 x 8.2 x 2.3 in. - excluding F-connector
Backup Capacity	4 cell 2.2AH Lithium-ion for 8 hours operation (#718005 Battery Pack)
Battery Dimensions	1.2 x 1.95 x 5.5 in.
Weight	2.5 lbs. (With Battery included)
Battery Storage Temperature ˚F (˚C)	-4 to 140 (-20 to 60)
	Note: Storage above 77ºF (25ºC) will significantly reduce life of the battery and is not recommended.

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PRODUCT SPECIFICATIONS

PHYSICAL CONT.

Telemetry	AC Fail, Battery Low, Battery Missing, Replace Battery
Diagnostic LEDs	Diagnostic LEDs Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, Battery, MoCA

INTERFACES

RF Interface	External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Analog Telephony Interface	2 lines; RJ-14 ("Line 1/2"), RJ-11 ("Line 2")
USB Interface	USB 2.0 Powered Host Port
MoCA	MoCA Version 1.1 coax support
Input Voltage (nominal)	115VAC-240VAC, 50/60 Hz

TELEPHONY

Supervisory Voltage	48 Vdc nominal
Maximum Loop Length to CPE	1000 ft (457M) of 26 AWG (0.4 mm) wire
Ringing Load Capacity	10 REN total; 5 per line
Provisionable High Loop Current Mode	Yes (40mA constant current source)
Programmable Interface for Worldwide Applications	Yes (supports multiple country templates)

RF DOWNSTREAM

Bonded Channels	Up to 16
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108-1002 DOCSIS
Carrier Bandwidth (MHz)	6 (DOCSIS)
Modulation (QAM)	64 or 256
Data Rate (Mbps Max.)	Up to 640 DOCSIS (960 with 24 downstream upgrade)
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

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PRODUCT SPECIFICATIONS

RF UPSTREAM

Bonded Channels	Up to 4
Frequency Range (MHz)	5 to 42 (DOCSIS)
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM, 64 QAM & 128 QAM (S-CDMA only)
Data Rate (Mbps Max.)	Up to 160
RF Output Level (dBmV)	
ATDMA	+8 to 57 dBmV (32 QAM, 64 QAM) +8 to 58dBmV (8 QAM, 16 QAM) +8 to 61 dBmV (QPSK)
S-CDMA	+8 to +56 dBmV (all modulations)
Automatic Level Adjust	Yes
Output Impedance (Ohms)	75

WIRELESS

Frequency Range	Simultaneous 2.5GHz and 5GHZ operation
Transmit Power (from any antenna)	2.4GHz – 24.3 dBm +2/-2 dBm 802.11n MCS0; 24.3dBm +2/-2dBm 802.11n (MCS7) 5.0GHz – 26.3 dBm +2/-2 dBm 802.11n MCS0; 26.3 dBm +2/-2dBm 802.11n (MCS7) Includes MiMo additive power gains. Total system power is adaptable to maintain regulatory limits in the specific band of operation where necessary.
Spatial Streams	3
Receive Levels	2.4GHz - <-86dBM 802.11n (MCS0), <-74dBm 802.11n (MCS7) 5.0GHz - <-84dBM 802.11n (MCS0), <-72dBm 802.11n (MCS7)
Antennas	3 transmit, and 3 receive (per band)

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DOCSIS 3.0 RESIDENTIAL GATEWAY

PRODUCT SPECIFICATIONS

MOCA

Frequency Range (MHz)	1150 – 1500
Network Channel Bandwidth (MHz)	50
Max Transmit Power (dBm)	+ 9 max (adjustable)
Max Phy Rate (Mbps)	270
Application Data Rate (Mbps)	175 bidirectional combined
Link Delay	9ms max

STANDARDS

DOCSIS 3.0	IEEE 802.3, IEEE 802.3ab, IEEE 802.3x
PacketCable™ 1.0 & 1.5	IEEE 802.1p, IEEE 802.1Q
Codecs: G.711, 64 kbps, μ and A-law encoded speech,	IEEE Std. 802.11b, 1999 Edition
Enhanced G.722 HD codec	IEEE Std. 802.11g, 2002 Edition
T.38 Fax Relay	IEEE Std. 802.11n
MoCA 1.1	Wi-Fi® Alliance Certified
UL® 60950	FCC Part 15 Class B