

ARRIS TG2472

DOCSIS 3.0 WIRELESS GATEWAY

FEATURES

- 24x8 Channel Bonding
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 1.2GHz 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 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
- Two FXS lines of carrier-grade VoIP with HD voice support
- Internal Power Supply for Highest Reliability
- Battery backup



PRODUCT SPECIFICATIONS

PHYSICAL

Operating Temperature °C	0 to 50
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature °C	-40 to 70
Dimensions (H x W x D) in.	10.1 x 10.3 x 3.25
Backup Capacity (not supplied)	4 cell 2.2AH Lithium-ion for 8 hours operation (#718005 Battery Pack)
Weight (lbs.)	2.5 (With Battery included)
Battery Storage Temperature °C	-20 to 60 Note: Storage above 77°F (25°C) will significantly reduce life of the battery and is not recommended.
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, Battery, MoCA
Diagnostic LED's (Rear)	Ethernet Link/Speed



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INTERFACES

RF Interface	External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T (RJ-45)
Analog Telephony Interface	2 lines; RJ-11
USB Interface	USB 2.0 Powered Host Ports
MoCA	MoCA 2.0
Input Voltage (nominal)	110V-240VAC 50/60Hz

TELEPHONY

Supervisory Voltage	48 Vdc nominal
Ringing Load Capacity	10 REN total; 5 per line
Provisionable High Loop Current Mode	Yes (40mA constant current source)

RF DOWNSTREAM

Bonded Channels	Up to 24
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108MHz-1002MHz
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 85 depending on model
Data Rate (Mbps Max.)	Up to 240
RF Output Level (dBmV)	+57 dBmV (64 QAM, single upstream) +54dBmV (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream)



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WIRELESS

Frequency Range	2.5GHz and 5GHz
Transmit Power (from any antenna)	
2.4GHz	+25.5dBm (MCS0), +24.5dbm (MCS7)
5GHz	+25.5dBm (MCS0), +22.5dbm (MCS9)
Spatial Streams	3
Receive Levels	
2.4GHz	<-88dBm 802.11n (MCS0), <-71dBm 802.11n (MCS7), HT20
5.0GHz	<-84dBm 802.11ac (MCS0), <-57dBm 802.11ac (MCS9), VHT80

MOCA

Frequency Range (MHz)	1150-1500
Network Channel Bandwidth (MHz)	50
Max Transmit Power (dBm)	+ 9 max (adjustable)
Max Phy Rate (Mbps)	700
Application Data Rate (Mbps)	400+ bidirectional combined