



Touchstone® DOCSIS® 3.0 Residential Gateway with 802.11n, 4 Port Router DG860P2

Specifications

Physical

Operating Temperature ° F (° C)	41 to 122 (5 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) in. (cm)	7.9 x 7 x 2.4 (20 x 17.8 x 5.1) - excluding F-connector
Weight lbs (kg)	1.8 (.82)
Diagnostic LEDs	Power, DS, US, Online, Ethernet, Wi-Fi®, Secure

Interfaces

RF Interface	External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Input Voltage (nominal)	100-240 Vac 50/60 Hz

RF Downstream

Bonded Channels	Up to 8
Tuner Configuration	2 tuning ranges of 96MHz each supporting 8 bonded channels
Frequency Range (MHz)	108-1002
Carrier Bandwidth (MHz)	6 (DOCSIS)
Modulation (QAM)	64 or 256
Data Rate (Mbps Max.)	Up to 320 DOCSIS
RF Input Sensitivity Level (dBmV)	-15 to +15

RF Upstream

Bonded Channels	Up to 4
Frequency Range (MHz)	5 to 42 (DOCSIS)
Modulation (QAM)	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 54 dBmV (32 QAM, 64 QAM) +8 to 55 dBmV (8 QAM, 16 QAM) +8 to 58 dBmV (QPSK) S-CDMA: +8 to +53 dBmV (all modulations)
Automatic Level Adjust	Yes
Frequency Level Stability (kHz)	±5
Output Impedance (Ohms)	75

Continue to next page.

ARRIS Technical Specification

Specifications Continued

Wireless

Transmit Power Output (EIRP)	18.5dBm +/-1.5dB (802.11b); 17.5dBm +/-1.5dB (802.11n MCS 7)
Receive Levels	>-86dBm (802.11b 11mbps); >-76dBm (802.11g 54mbps), >-76dBm (802.11n HT20) MCS7
Spatial Streams	2
Channel Bandwidth	20MHz/40MHz
Maximum Phy Rate (Mbps)	300
RF Frequency	2.4GHz
Antennas	2 transmit and 2 receive

Standards

DOCSIS 3.0	IEEE Std. 802.11g, 2002 Edition
Wi-Fi Alliance Certified	IEEE Std. 802.11n
WEEE/ROHS	UL@ 60950
IEEE 802.3, IEEE 802.3ab, IEEE 802.3x	FCC Part 15 Class B
IEEE 802.1p, IEEE 802.1Q	CE
IEEE Std. 802.11b, 1999 Edition	

Ordering Information

Part Number	Description
DOCSIS 3.0 Models	Gateway with Integrated 100-240 VAC, 50/60 HZ Power supply with 6 foot power cord . Also includes Quick Install Guide and Ethernet Cable
798993	Touchstone DG860P2/CE - CEE 7/16 Euro power plug
798995	Touchstone DG860P2/NA - NEMA 1-15 power plug
Accessories	
722805	North American NEMA 1-15 plug Power Cord, 6 foot
721197	European CEE 7/16 plug Power Cord, 6 foot

Specifications are subject to change without notice.

The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice. ARRIS, the ARRIS logo, Auspice®, BigBand Networks®, BigBand Networks and Design®, BME®, BME 50®, BMR®, BMR100®, BMR1200®, C3™, C4®, C4c™, C-COR®, CHP Max5000®, ConvergeMedia™, Cornerstone®, CORWave™, CXM™, D5®, Digicon®, E6000™, ENCORE®, EventAssure™, Flex Max®, FTTMax™, HEMI®, MONARCH®, MOXI®, n5®, nABLE®, nVision®, OpsLogic®, OpsLogic® Service Visibility Portal™, Opti Max™, PLEXIS®, PowerSense™, QUARTET®, Rateshaping®, Regal®, ServAssure™, Service Visibility Portal™, TeleWire Supply®, TLX®, Touchstone®, Trans Max™, VIPr™, VSM™, and WorkAssure™ are all trademarks of ARRIS Group, Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and the names of their products. ARRIS disclaims proprietary interest in the marks and names of others. © Copyright 2013 ARRIS Group, Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of ARRIS Group, Inc. is strictly forbidden. For more information, contact ARRIS.



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