Touchstone® DG860A DOCSIS® 3.0 Residential Gateway with 802.11n, 4 Port Router

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.	8 x 8.2 x 2 - excluding F-connector
Weight lbs	1.8
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

Technical Specification

Specifications Continued

Wireless

Transmit Power Output (EIRP)	18.5dBm +1.5/-1.5dB 802.11b; 17.5dBm +1.5/-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 and 40MHz
Maximum Phy Rate (Mbps)	300
RF Frequency	2.4GHz
Antennas	2 transmit and receive

Standards

DOCSIS 3.0	IEEE Std. 802.11g, 2002 Edition
Wi-Fi Alliance Certified	IEEE Std. 802.11n
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 . Includes Quick Install Guide, Ethernet Cable, and CD-ROM with users guide
796869	Touchstone DG860A/CE - CEE 7/16 Euro power plug
796868	Touchstone DG860A/NA - NEMA 1 power plug
Accessories	
721198	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.

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