



DG950 DOCSIS® 3.0 Residential Gateway with 802.11n and 4 Port Gigabit Router

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) in. (cm) (excluding "F" connector)	8.5 x 2.2 x 7.0 (21.6 x 5.6 x 17.8)
Weight lbs (kg)	1.4 (0.64)
Diagnostic LEDs	Power, DS, US, Online, LAN, WLAN, WPS

Interfaces:

RF Interface	External "F" Type Connector
USB Interface	USB2.0 port connects to a USB port on a printer (Type A connector)
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Input Voltage (nominal)	100-240 VAC 50/60 Hz

Wireless:

Protocol	802.11n Access Point
Frequency	2.4GHz band
Wireless Security	WPA™-Enterprise, Personal WPA2™ – Enterprise, Personal WEP 64/128 bit, WPA, WPA-PSK, WPA2, WPA2-PSK
WPS	Yes
Multiple SSID	Yes
WMM	Yes
Transmit Power Output (EIRP)	19dBm +/-1.5 dB 802.11b 16dBm +/-1.5 802.11n (MCS7)
Receive Levels: 2.4GHz	>-90dBm 802.11b 11mbps; >-75dBm 80211g 54mbps >-73dBm 802.11nHT20 MC7

Downstream:

Bonded Channels	Up to 8 supported
Frequency Range (MHz)	108-1002 DOCSIS, 88-1002 Euro DOCSIS
Carrier Bandwidth (MHz)	6 (DOCSIS), 8 (EuroDOCSIS)
Modulation (QAM)	64 or 256
Data Rate (Mbps Max.)	Up to 320 (DOCSIS), Up to 400 (EuroDOCSIS)
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS), -17 to +`15 DOCSIS

Technical Specification

ARRIS Technical Specifications

Specifications Continued

Upstream:

Bonded Channels	Up to 4
Frequency Range (MHz)	5 to 42 (DOCSIS), 5 to 65 (EuroDOCSIS)
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM 32 QAM, 64 QAM & 128 QAM (S-CDMA only)
Data Rate (Mbps Max.)	up to 131
RF Output Level	ATDMA +17 to 57 dBmV (32 QAM, 64 QAM); +17 to 58 dBmV (8 QAM, 16 QAM); +17 to 61 dBmV (QPSK) <i>Note: Max output power reduced 3dB when transmitting two channels and 6dB when transmitting 3 or 4 channels.</i>
	SCDMA +17 to +56 dBmV (all modulations) <i>Note: Max output reduced 3dB when transmitting 2 or more channels.</i>
Automatic Level Adjust Frequency	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75

Standards and Certifications:

DOCSIS 3.0, EuroDOCSIS 3.0	IEEE Std. 802.11b, 1999 Edition
Energy Star	IEEE Std. 802.11g, 2002 Edition
IEEE 802.3, IEEE 802.3ab, IEEE 802.3x	IEEE Std. 802.11n
IEEE 802.1p, IEEE 802.1Q	UL@ 60950, CE Safety and EMI Compliant Rohs, WEEE FCC Part 15 Class B

Ordering Information:

DOCSIS 3.0 Models	Integrated 100-240 VAC, 50/60 HZ Power supply with 6 foot power cord . Includes Quick Install Guide, 4 foot Ethernet Cable, and CD-ROM with users guide
790422	Touchstone DG950A/NA - NEMA 1 power plug
790423	Touchstone DG950A/CE - CEE 7/16 Euro power plug
Euro-DOCSIS 3.0 Models	Integrated 100-240 VAC, 50/60 HZ Power supply with power switch with 6 foot power cord . Includes Quick Install Guide, 1.2Meter Ethernet Cable, and CD-ROM with users guide
790425	Touchstone DG950S/CE - CEE 7/16 Euro power plug

Contact Customer Care—For sales and product information via the ARRIS website (<http://www.arrisi.com>) or as indicated below:

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Specifications are subject to change without notice.

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