

ARRIS DG860A

DOCSIS 3.0 RESIDENTIAL GATEWAY

FEATURES

- 8x4 Channel Bonding
- Multi Processor Technology for Highest Performance
- 4 port Gigabit Ethernet Wireless Router
- Integrated 2.4GHz 802.11n Radio
- 2x2 MiMo Wireless Technology with a 300mbps Phy Rate
- Enhanced WebGUI Interface with Technician Level Access
- Supports Firewall, Parental Control, L2TP, RIP, DHCP and more
- Internal Power Supply for Highest Reliability



PRODUCT 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	7.9 x 7 x 2.4 in. (H x W x D) - excluding F-connector
Weight	1.8 lbs.
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 supporting 8 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



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PRODUCT SPECIFICATIONS

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
RF Input Sensitivity Level (dBmV)	75

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



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PRODUCT SPECIFICATIONS

STANDARDS

DOCSIS 3.0

Wi-Fi Alliance Certified

WEEE/ROHS

IEEE 802.3, IEEE 802.3ab, IEEE 802.3x

IEEE 802.1p, IEEE 802.1Q

IEEE Std. 802.11b, 1999 Edition

IEEE Std. 802.11g, 2002 Edition

IEEE Std. 802.11n

UL® 60950

FCC Part 15 Class B

CE