



ARRIS SBG6782-AC

DOCSIS 3.0 WIRELESS GATEWAY

FEATURES

- Easy to Setup and Use
- Plug-and-play installation
- Wi-Fi® pairing button for easy Wi-Fi Protected Setup™ (WPS) Wi-Fi connection
- Android App for Wi-Fi Connection Assistance
- Supports standard Internet browser software
- Front panel, multicolor LEDs indicate status and simplify troubleshooting
- User-friendly online diagnostics and configuration

PRODUCT SPECIFICATIONS

GENERAL

Cable Interface

F-Connector, female 75 Ω

Network Interface

Four one-gigabit (10/100/1000) Ethernet ports

2.4 Wi-Fi Interface

802.11n Wi-Fi (also certified for 802.11a/b/g)

5 GHz Wi-Fi Interface

802.11ac Wi-Fi (also certified for 802.11 a/b/g/n)

Dimensions

8.8 x 2.1 x 10.1 in. (H x W x D)

Regulatory

RoHS compliant, FCC, UL listed (U.S. and Canada), Industry Canada, EnergyStar, VCII, JATE

DOCSIS 3.0

Bonding capability of 8 downstreams and 4 upstreams

MoCA 1.1

Share cable interface F-Connector

INPUT POWER

North America

105 to 125 VAC, 60 Hz

Internal Power Supply

50W/12Vdc

Power Management

802.11e WMM power save/U-APSD (Unscheduled-Automatic Power Save Delivery), 802.3az EEE

ENVIRONMENTAL

Operating Temperature

32 F to 104 °F (0 °C to 40 °C)

Storage Temperature

-22 °F to 158 °F (-30 °C to 70 °C)

Operating Humidity

5 to 95% R.H. (non-condensing)





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DOCSIS DOWNSTREAM

Modulation	64 or 256 QAM
Bandwidth	Full bandwidth capture window 108 MHz – 1002 MHz
Maximum Phy Rate	
DOCSIS	343.072 Mbps (8 channels) / 42.884 (single channel) @ 256 QAM at 5.36 Msym/s
EuroDOCSIS	EuroDOCSIS: 444.928 Mbps (8 channels) / 55.616 (single channel) @ 256 QAM at 6.952 Msym/s
Symbol Rate	64 QAM 5.057 Msym/s; 256 QAM 5.361 Msym/s
Operating Level Range	–15 to 15 dBmV
Frequency Range	108 – 1002 MHz (edge to edge)
Frequency Plans	DOCSIS Annex B
Security	DOCSIS 3.0 Security (BPI+, EAE, SSD)
Provisioning	IPv4 IPv6 (dual stack) DS Lite

DOCSIS UPSTREAM

Modulation	QPSK and 8, 16, 32, 64, 128, 256 QAM
Maximum Phy Rate @ 256 QAM at 6.4 MHz	122.8 Mbps: 4 channels 30.72 Mbps: single channel
Channel Width	200 kHz, 400 kHz, 800 kHz, 1.6 MHz, 3.2 MHz, 6.4 MHz
Symbol Rates	160, 320, 640, 1280, 2560, 5120 ksym/s
Frequency Range	5–42 MHz (edge to edge)

MEMORY

RAM	128 MB DDR3
Flash	32 MB



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PRODUCT SPECIFICATIONS

COMPATIBILITY

PC

Windows XP, Windows 7, Windows 8, (older versions of Windows, although not specifically supported, will work with this cable modem), UNIX, Linux®

Macintosh

Power PC or later; OS 10 or higher

Home Networking

Ethernet router and wireless access point

MANAGEMENT AND CONFIGURATION

GUI

English, HTML based GUI, Google Translate for easy Translation