



# ARRIS SBG7600AC2

DOCSIS 3.0 CONSUMER SERIES  
WIRELESS CABLE MODEM

## FEATURES

- 32 x 8 DOCSIS Channel Bonding for fast DOCSIS® 3.0 download speeds
- Supported with ARRIS SURFboard Manager Mobile App for connection and management
- Multiple 4k and HD video streams easily supported
- Multi Processor Technology with a 600 MHz Intel Atom® Core Application Processor
- Internal 32 bit Data architecture for maximum speeds
- 4 port Gigabit Ethernet Router with Wi-Fi®
- Integrated Multi-User MIMO Antennas for each band, 4x4 array for 5 GHz radio and 3x3 array for 2.4 GHz radio
- Bandsteering available for optimal radio connections
- Dual Band Concurrent Wi-Fi 2.4 GHz 802.11n and 5 GHz 802.11ac wave 2 High Power Radios with wireless throughput of up to 2,350 Mbps
- USB 2.0 Host Port with support for NAS Drive, Media Server, or other device connection
- WPS for quick client connection



## PRODUCT SPECIFICATIONS

### PHYSICAL

Operating Temperature	0 to 50°C
Operating Relative Humidity	5-85% (non-condensing)
Storage Temperature	-40 to 70°C
Dimensions (H x W x D)	9.5 in. x 2.25 in. x 7.69 in.
Weight	1.94 lbs.
Diagnostic LEDs (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, WPS
Diagnostic LEDs (Rear)	Ethernet Link/Speed



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### INTERFACES

RF Interface	1 External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector) MDI/MDI-X
USB 2.0, powered	DLNA, NAS, Printers, Media Servers
Input Voltage (nominal)	12V DC
AC-DC	External

### RF DOWNSTREAM

Bonded Channels	Up to 32 SCQAM and/or 2 OFDM
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108-1002MHz DOCSIS
Data Rate (Mbps Max.)	Up to 1.23 Gbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

### RF UPSTREAM

Bonded Channels	Up to 8 SCQAM channels
Frequency Range (MHz)	5MHz to 42MHz
Data Rate (Mbps Max.)	Up to 240 Gbps
RF Output Level (dBmV)	+65 dBmv (64 QAM, single upstream) +57 dBmv (64 QAM, 4-8 upstreams) +65 dBmv (16 QAM, single upstream)

### WIRELESS

Frequency Range	2.4GHz and 5GHz
Spatial Streams	3 for 2.4GHz, 4 for 5GHz
Wireless	802.11ac wave 2 AC2350
Antennas	2.4 GHz 3x3:3 5 GHz 4x4:4