

ARRIS SB6183

DOCSIS 3.0 CABLE MODEM

FEATURES

- Advanced Services Ready
- DOCSIS® 3.0 Channel Bonding of up to 16 downstream and 4 upstream
- 1 GHz-capable tuner
- Use of full downstream bandwidth to capture up to 16 DOCSIS® channels
- Spectrum Analyzer capability in every home
- RF Immunity
- MoCA reject filter ensures carefree interoperation of MoCA and DOCSIS®
- Gigabit Ethernet port, with 802.3az ethernet

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Cable Interface	F-Connector, female 75 Ω
Network Interface	Single One-Gigabit (10/100/1000) Ethernet Port
Dimensions (H x W x D) in.	5 x 2.1 x 5
Regulatory	RoHS compliant, FCC, UL listed (U.S. and Canada)
DOCSIS 3.0	BCM3383D

POWER

North America	105 to 125 VAC, 60 Hz
Outside North America	100 to 240 VAC, 50 to 60 Hz
Power Management	802.3az EEE, PSU is Energy Star Category 5

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)





ARRIS SB6183

DOCSIS 3.0 CABLE MODEM

PRODUCT SPECIFICATIONS

DOCSIS DOWNSTREAM

Modulation	64 or 256 QAM
Capture Bandwidth	Full Bandwidth Capture Window 108 MHz - 1002 MHz
Data Rate (Mbps Max.)	686.144 Mbps (16 channels) / 42.884 (single channel) @ 256 QAM at 5.36 Msym/s
Symbol Rate	64 QAM 5.057 Msym/s; 256 QAM 5.361 Msym/s
Operating Level Range	-15 to 15 dBmV
Bonded Channel RF Level Tolerance	10 dBmV
Frequency Range	108-1002 MHz (edge to edge) Optional 90-1002 MHz (edge to edge)
Frequency Plans	DOCSIS Annex B
Security	DOCSIS 3.0 Security (BPI+, EAE, SSD)
Network Management	SNMP v2 & v3
Provisioning	IPv4 or IPv6 (dual stack) DS Lite

DOCSIS UPSTREAM

Modulation	QPSK and 8,16,32,64,128 QAM, optional 256 QAM
Maximum Channel Rate	131.072 Mbps (4 channels) / 32.768 Mbps (single channel): @ 128 QAM at 6.4 MHz
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)