



ARRIS TM822G

DOCSIS 3.0 CABLE MODEM

FEATURES

- DOCSIS® 3.0 Cable Modem
- Download speeds up to 343 Mbps
- 8 download and 4 upload channels
- Compatible with Xfinity® Voice and Internet Service
- 2 carrier-grade VoIP Lines
- IPv4 and IPv6 Support

PRODUCT SPECIFICATIONS

PHYSICAL

Operating Temperature °F (°C)

32 to 122 (0 to 50)

Operating Relative Humidity

5-95% (Non-condensing)

Storage Temperature °F (°C)

-40 to 158 (-40 to 70)

Dimensions (H x W x D) in.

8.5 x 2.1 x 7.1

Weight (lbs.)

1.3

Battery Back-Up 6-Hour Option

Lithium-ion 2.2 AH Capacity, 0.25 lbs Battery

Battery Back-Up 8-Hour Option

Lithium-ion 2.6 AH Capacity, 0.25 lbs Battery

Battery Back-Up 12-Hour Option

Lithium-ion 4.4 AH Capacity, 0.50 lbs Battery

Battery Back-Up 18-Hour Option

Lithium-ion 6.6 AH Capacity, 0.75 lbs Battery

Battery Back-Up 24-Hour Option

Lithium-ion 8.8 AH Capacity, 1.0 lbs Battery

Telemetry

AC Fail, Battery Low, Battery Missing, Replace Battery

Diagnostic LEDs

Power, US/DS, Online, Link, Tel 1, Tel 2, Battery





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RF UPSTREAM

Frequency Range (MHz)	5-42
Bonded Channels	Up to 4
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM, 64 QAM, 128 QAM (S-CDMA)
Modulation Bandwidth (kHz)	TDMA: 200, 400, 800, 1600, 3200, 6400 S-CDMA: 1600, 3200, 6400
Data Rate (Mbps Max.)	Up to 122
RF Output Level (dBmV - one channel)	TDMA: +17 to 61 (QPSK) +17 to 58 (8 QAM, 16 QAM) +17 to 57 (32 QAM, 64 QAM) S-CDMA: +17 TO 56 (all modulations)
Automatic Level Adjust	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75
STANDARDS	
DOCSIS 3.0	RoHS, WEEE
PacketCable 1.0 and 1.5	IEEE 802.3, IEEE 802.3ab
UL® 60950	RFC3261 SIP: Session Initiation Protocol
FCC Part 15 Class B	Codec: G.711, 64 kbps, μ-law and A-law encoded speech
CE	Enhanced codec support (G.726, G.728, G.729E)
CB	T.38 Fax Relay