Adams Cable Equipment
RESELL • REUSE • RECOVER • RECYCLE

ARRIS CM820

DOCSIS 3.0 CABLE MODEM

FEATURES

- DOCSIS® / EuroDOCSIS® 3.0 compliant and backward compatible
- Integrated Universal Power Supply for high reliability
- Flexible DSxUS channel bonding configuration support (up to 8x4)
- Multi-colorede LEDs for rapid troubleshooting on installation
- Dual, independent 96MHz Tuners with receive range up to 1GHz
- Dual-modeoperation on the CM820B and CM820S models

PRODUCT SPECIFICATIONS

PHYSICAL

Operating Temperature ˚C	32 to 104 (0 to 40)
Operating Relative Humidity	5-95% (Non-condensing)
Storage Temperature ˚C	-40 to 158 (-40 to 70)
Dimensions (H x W x D) in.	6.2 x 1.7 x 5.7
Weight (lbs.)	0.81
Diagnostic LED's	Power, US/DS, Online, Link

INTERFACES

RF Interface	External 75Ω 'F' type connector
Data Interface	10/100/1000 Base-T Ethernet
Input Voltage (nominal)	115-240 VAC 50/60Hz (A,B,S models) 100 VAC 50/60Hz (C model)
Power On/Off Switch	Yes (S model)
Power Consumption	5 (idle), 5.5 (max.) (A,B,S models) 6 (idle), 6.5 (max.) (C model)

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PRODUCT SPECIFICATIONS

RF DOWNSTREAM

Frequency Range (MHz)	108-1002
Bonded Channels	Up to 8
Number of Tuners	2
Capture Bandwidth	96 (per tuner, 192 MHz total)
Modulation (QAM)	64 or 256
Data Rate (Mbps Max.)	Up to 343 (A,C models) Up to 444 (B,S models)
RF Input Sensitivity Level (dBmV)	-15 to +15 (A,C models) -17 to +17 (B,S models)
Carrier Bandwidth	6 (A,C models) 8 (B,S models)
MoCA® Immunity Filter	Embedded

RF UPSTREAM

Frequency Range (MHz)	5-42 (A model), 5-65 (B,C,S models)
Bonded Channels	Up to 4
Modulation (QAM)	QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM (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)	TDMA: +17+ to 61 (QPSK) -17 to 58 (8QAM, 16QAM) +17 to 57 (32QAM, 64QAM)
Automatic Level Adjust	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ω)	75

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PRODUCT SPECIFICATIONS

STANDARDS

DOCSIS® 3.0	PSE
EuroDOCSIS® 3.0	VCCI
UL® 60950	RoHS
FCC Part 15 Class B	WEEE
CE, CB	IEEE 802.3, IEEE802.3ab