

# ARRIS CM900A

## DOCSIS 3.0 CABLE MODEM

### FEATURES

- DOCSIS® 3.0 and EuroDOCSIS™ 3.0 compliant
- 8x4 Channel Bonding (8 DS x 4 US)
- Backwards compatible with DOCSIS 1.0, 1.1, and 2.0
- 1GHz Downstream RF tuner
- Wide 96MHz Capture Bandwidth
- 10/100/1000 Base-T Auto Speed Sense, Auto MDI-X
- Supports IPv4 or IPv6
- On/Off Power Switch (S model)
- PacketACE configuration file editor

### PRODUCT SPECIFICATIONS

#### PHYSICAL

Operating Temperature °F (°C)	32 to 104 (0 to 40)
Operating Relative Humidity	5-95% (Non-condensing)
Storage Temperature °F (°C)	-40 to 158 (-40 to 70)
Dimensions (H x W x D) in.	6.5 x 2.0 x 5.5 - excluding F-connector
Weight (lbs.)	1.2
Diagnostic LEDs	Power, DS, US, Online, Link

#### INTERFACES

RF Interface	External 'F' type connector
Data Interface	10/100/1000 Base-T Ethernet (RJ-45 connector)
Input Voltage (nominal)	100-240 VAC 50/60 Hz (A and C models) 220-240 VAC 50 Hz (S model)
Power On/Off Switch	CM900S models only
Power Consumption (W)	6.5 (idle), 9 (max.)





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### PRODUCT SPECIFICATIONS

#### RF DOWNSTREAM

Frequency Range (MHz)	108-1002
Bonded Channels	Up to 8
Capture Bandwidth (MHz)	96
Carrier Bandwidth (MHz)	6 (DOCSIS) or 8 (EuroDOCSIS)
Modulation (QAM)	64 or 256
Data Rate (Mbps Max.)	up to 440
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS) or -17 to +17 (EuroDOCSIS)

#### RF UPSTREAM

Frequency Range (MHz)	5-42 (DOCSIS) or 5-65 (EuroDOCSIS)
Bonded Channels	Up to 4
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM, 64 QAM, and 128 QAM (S-CDMA)
Data Rate (Mbps Max.)	Up to 131
RF Output Level (dBmV)	A-TDMA: +17 to 57 dBmV (32 QAM, 64QAM) +17 to 58 dBmV (8 QAM, 16 QAM) +17 to 61 dBmV (QPSK) S-CDMA: +17 to +56 dBmV (all modulations)
Automatic Level Adjust	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75