

ARRIS TM822 S/CE

DOCSIS 3.0 8X4 ULTRA HIGH SPEED TELEPHON-MODEM

- DOCSIS 3.0 zertifiziert
- EuroDOCSIS 3.0 konform
- PacketCable 1.0/1.5 und EuroPacketCable 1.0/1.5 konform
- Upgrade auf PacketCable 2.0 möglich
- Dual Mode fähiges Gerät für maximale Flexibilität in DOCSIS und EuroDOCSIS basierten Netzen
- Flexibles 8x4 Downstream/Upstream Channel Bonding mit herausragendem Datendurchsatz
- Abwärtskompatibel mit DOCSIS 1.0, 1.1 und 2.0
- Bis zu 2 Kanäle für Carrier Grade VoIP
- Multiple Protocol Support: PacketCable (NCS) oder Session Initiation Protocol (SIP)
- IPv4/IPv6 Modi für DOCSIS CM
- 10/100/1000 Base-T Ethernet
- 6, 8, 12, 18 und 24 Stunden Batterie-Option verfügbar (nur TM822G)



SPEZIFIKATIONEN

PHYSICAL	
Operating Temperature °F (°C)	32 to 122 (0 to 50)
Operating Relative Humidity (Min-Max)	5-95% (non-condensing)
Storage Temperature °F (°C)	-40 to 158 (-40 to 70)
Dimensions (H x W x D) in. (cm)	7.3 x 1.7 x 6.2 (18.5 x 4.3 x 15.8) - excluding F-connector
Weight lbs (kg)	1.0 (0.45)
Diagnostic LEDs	Power, DS, US, Online, Link, Tel 1, Tel 2
INTERFACES	
RF Interface	External 75 ohm 'F' type connector
Data Interface	10/100/1000 Base-T Ethernet RJ-45
Telephony Interface	2 lines; RJ-11
Input Voltage (nominal)	115-240 VAC 50/60 Hz
Power Switch	Equipped On TM822S model only
Power Consumption (W)	5.5 (idle)
TELEPHONY	
Supervisory Voltage	48 VDC nominal
Maximum Loop Length to CPE	1000 ft (305M) of 26 AWG (0.4 mm) wire
Ringing Load Capacity	10 REN total; 5 per line
Provisionable High Loop Current Mode	Yes
Telcordia™ GR 1089 (Lightning and Power Surge) Tested	Yes
Programmable Interface for Worldwide Applications	Yes
RF DOWNSTREAM	
Frequency Range (MHz)	108-1002 (edge-to-edge)
Bonded Channels	up to 8
Number of Tuners	2
Capture Bandwidth (MHz)	96 (per tuner, 192 MHz total)
Modulation (QAM)	64 or 256
Data Rate (Mbps, Theoretical)	up to 343 Note: Maximum raw DOCSIS rate; actual data throughput is less due to overhead, configuration, and RF conditions
RF Input Sensitivity Level (dBmV)	-15 to +15
Carrier Bandwidth	6 MHz (DOCSIS mode) or 8 MHz (EuroDOCSIS mode)
Embedded MoCA® Immunity Filter	Yes

RF UPSTREAM	
Frequency Range (MHz)	5-42 (DOCSIS mode) or 5-65 (EuroDOCSIS mode)
Bonded Channels	up to 4
Modulation	QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM (S-CDMA only)
Modulation Bandwidth (kHz)	200, 400, 800, 1600, 3200, 6400 (TDMA), 1600, 3200, 6400 (S-CDMA)
Data Rate (Mbps, Theoretical)	up to 122 Note: Maximum raw DOCSIS rate; actual data throughput is less due to overhead, configuration, and RF conditions
RF Output Level (dBmV – one channel)	TDMA: +17 to 61 (QPSK); +17 to 58 (8QAM, 16QAM); +17 to 57 (32QAM, 64QAM) Note: A-TDMA max output power reduced 3dB when transmitting 2 channels and 6dB when transmitting 3 or 4 channels. S-CDMA: +17 to +56 (all modulations) Note: S-CDMA max output reduced 3dB when transmitting 2 or more channels.
Automatic Level Adjust	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75
STANDARDS	
DOCSIS 3.0 / EuroDOCSIS 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

BESTELLINFORMATIONEN

BESTELLNUMMER	BESCHREIBUNG
799090	Touchstone TM822A/NA, DOCSIS 3.0 / PacketCable 1.5 compliant E-MTA with integrated 115-240 VAC, 50/60 HZ power supply. Includes NEMA 1-15 power cord, Cat-5E Ethernet cable, and End User License.
799091	Touchstone TM822A/CE, DOCSIS 3.0 / PacketCable 1.5 compliant E-MTA with integrated 115-240 VAC, 50/60 HZ power supply. Includes CEE 7/16 power cord, Cat-5E Ethernet cable, and End User License.
799092	Touchstone TM822S/CE, Dual Mode (DOCSIS 3.0 & EuroDOCSIS 3.0) / PacketCable 1.5 compliant E-MTA with integrated 115-240 VAC, 50/60 HZ power supply. Includes CEE 7/16 power cord, Cat-5E Ethernet cable, and End User License.