advanced media technologies®

MODEL

TM822

TOUCHSTONE® DOCSIS® 3.0 8X4 ULTRA-HIGH SPEED TELEPHONY MODEM

ARRIS

Configuration

- DOCSIS 3.0 certified
- EuroDOCSIS 3.0 compliant
- PacketCable ® 1.0/1.5 compliant and EuroPacketCable 1.0/1.5 compliant
- Upgradeable to PacketCable ® 2.0
- Dual-mode capable device for maximum flexibility across DOCSIS and EuroDOCSIS based networks
- Flexible 8x4 downstream/upstream channel-bonding with superior throughput
- Backward compatible with DOCSIS 1.0, 1.1, and 2.0
- Up to two lines of carrier-grade VoIP
- Multiple Protocol Support: PacketCable (NCS) or Session Initiation Protocol (SIP)
- IPv4/IPv6 modes for DOCSIS CM
- 10/100/1000 Base-T Ethernet
- 6, 8, 12, 18, and 24 hour battery options available (TM822G only)
- Simplified interoperability through PacketACE™ config file editor

Applications

The Touchstone DOCSIS 3.0 8x4 Embedded Multimedia Terminal Adaptor (EMTA) TM822 delivers two lines of primary line Voice over IP (VoIP), ultra-high speed data access, and multiple battery pack options to support telephony service during power outages (TM822G only). Designed to support the services desired most by advanced users, the TM822 enables the home or small business user to address productivity needs with the speed and performance found only in the 8x4 bonded channel cable environment, along with industry-leading ARRIS voice and battery back-up features. With the TM822, cable operators can offer data services at speeds greater than 300Mbps to their subscribers to compete against VDSL and fiber to the home competitive offerings.

Performance and Features

- Toll grade voice performance equal to the industry leading TM602/TM722 family of products
- Two independent 96MHz RF tuners to receive downstream channels to 1GHz
- Dual mode support (TM822S only) for use on Annex A or Annex B networks
- Loop current, loop voltage, and ringing waveform configuration options
- Loop Diagnostics for remote testing and troubleshooting of in-house wiring
- Advanced diagnostic tools, including, Voice Quality Metrics for last fifty calls
- Multi-colored LEDs for troubleshooting during install or by customer service
- Auto-adapting FSK/CAS tone levels, dynamic jitter buffers, and G.168 echo cancellation
- Configurable battery management and reporting for customized operation
- Boot from battery feature allows TM822G to initialize without AC Power
- Simple to install, consumer replaceable, lithium-ion batteries (TM822G only)
- Single, easy access battery slot (TM822G only)

Touchstone® DOCSIS® 3.0 Telephony Modem TM822

TM822A Back view

TM822G Back view

TM822S Back view

ARRIS
RoHS Compliant
GREEN

Find more information about the Touchstone TM822 DOCSIS 3.0 Telephony Modem.

- Product Specifications—
  - Technical Specifications Touchstone DOCSIS 3.0 Telephony Modem TM822G (Publication Code: TM822G_TS.pdf)
  - Technical Specifications Touchstone DOCSIS 3.0 Telephony Modem TM822A/S (Publication Code: TM822AS_TS.pdf)