

# TM3402 | Touchstone® TM3402 E-MTA



## 32x8/2x2 DOCSIS® 3.1 Modem (E-MTA) with 2 voice ports

- The device is optimized for providing Gigabit data services over DOCSIS 3.1 WAN
- Switchable upstream support options include: 5-42MHz, 5-85MHz, and 5-204MHz (TM3402B/CE only)
- Switchable downstream support options include: 108-1002MHz (TM3402A/NA and TM3402B) or 258-1218MHz (TM3402B/CE only)
- Battery Backup supports connection to external PSU with 8 hour and 24 hour standby options

The Touchstone TM3402 is a DOCSIS 3.1 home telephony modem for customers and subscribers who are looking for gigabit high speed data services and telephony services, in a single unit. With 4 GigE LAN ports the TM3402 is the hub of service delivery in the subscriber's home; providing high-speed data, voice and IP video to connected devices. Or in small business or corporate satellite offices provides the hub for ultra-high speed network connectivity with other offices and the local office's managed structured wiring and Wi-Fi infrastructure.

With 2x2 DOCSIS 3.1 OFDM/OFDMA support as well as 32x8 DOCSIS 3.0 SC-QAM channel bonding the ability to deliver Gigabit services. The TM3402 provides two FXS RJ-11 ports of carrier-grade VoIP, with the Touchstone Voice stack for the highest quality voice telephony experience, already in use by over 200 Million voice lines today.

Rich operator and customer management control solutions provide multiple provisioning (SNMP, configuration file, remote web GUI access, TFTP and TR-069), and monitoring. Combined with secure local and remote access account controls for greater efficiencies in device and system operations and management.

## Product Classification

**Regional Availability** EMEA | North America

**Product Type** E-MTA

## General Specifications

**Access Technology** DOCSIS 3.1 | EuroDOCSIS 3.1

**Channel Bonding** 2x2 OFDM/A | Up to 32x8 SC-QAM

**Diagnostic LEDs** Battery (TM3402A only) | Online | Power | Tel 1 | Tel 2 | US/DS

**Ethernet Ports** 4 x GigE

**Interfaces** 2x RJ11 (VOIP) | 4x RJ45 (10/100/1000 Base-T) | DC power inlet with integrated 5-pin telemetry | 'F' type connector

**RF Downstream Frequency Range** 108-1002 MHz (TM3402A/NA and TM3402B) | 258-1218 MHz (TM3402B/CE only)

**RF Downstream Bonded Channels, quantity** Up to 32, comprised of any mix of up to 32 SC-QAM or 2 OFDM

**RF Downstream Input Sensitivity Level** -15 dBmV to 15 dBmV

**RF Downstream Data Rate** Up to 5 Gb/s

**RF Upstream Frequency Range** 5-204 MHz (TM3402B/CE only) | 5-42 MHz (TM3402A/NA) | 5-85 MHz

**RF Upstream Bonded Channels, quantity** Up to 8, comprised of any mix of up to 8 SCQAM or 2 OFDMA

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**RF Upstream Data Rate** Up to 1 Gb/s

**Voice** Yes

**Voice Ports, quantity** 2

## Dimensions

**Height** 193.04 mm | 7.6 in

**Width** 53.34 mm | 2.1 in

**Length** 157.48 mm | 6.2 in

## Electrical Specifications

**Input Voltage** 12 Vdc

## Packaging and Weights

**Weight, net** 0.499 kg | 1.1 lb