

TM1602 | Touchstone® TM1602 E-MTA

Base Product



16x4/24x8 DOCSIS® 3.0 Modem (E-MTA) with 2 voice ports

The Touchstone TM1602 DOCSIS 3.0 16x4 Embedded Multimedia Terminal Adaptor (E-MTA) 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.

Designed as an upgradeable solution for advanced users, the TM1602 enables both home users and small businesses the speed and performance achievable with a 16x4 bonded channel cable environment which can be easily upgraded to 24x8 bonded channels (with an additional license).

With the TM1602, cable operators can maintain competitive position against VDSL and fiber to the home services by offering subscriber data services as high as 960Mbps.

Product Classification

Regional Availability North America

Product Type E-MTA

General Specifications

Access Technology	DOCSIS 3.0
Channel Bonding	Up to 16x4 (24x8) SC-QAM
Diagnostic LEDs	Battery (TM1602G only) Online Power Tel 1 Tel 2 US/DS
Ethernet Ports	1 x GigE
Interfaces	1x RJ45 (10/100/1000 Base-T) 2 mm Battery Connector (1602G only) 2x RJ11 'F' type connector
RF Downstream Frequency Range	108-1002 MHz
RF Downstream Bonded Channels, quantity	Up to 16 (24 with separate downstream license)
RF Downstream Input Sensitivity Level	-15 dBmV to 15 dBmV
RF Downstream Data Rate	Up to 640 Mb/s (960 Mb/s with 24 downstream license)
RF Upstream Frequency Range	5-42 MHz 5-85 MHz (1602G only)
RF Upstream Bonded Channels, quantity	Up to 4 (8 with separate upstream license)
RF Upstream Data Rate	Up to 120 Mb/s (240 Mb/s with 8 upstream license)
Voice	Yes
Voice Ports, quantity	2

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Dimensions

Height	180.34 mm 7.1 in
Width	45.72 mm 1.8 in
Length	180.34 mm 7.1 in

Electrical Specifications

Input Voltage	115 Vac
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Environmental Specifications

Standards Compliance	DOCSIS 3.0 Certified Enhanced codecs: G.722, G.726, G.728, G.729E FCC Part 15 Class B / ICES-003 G.711, 64 kb/s, μ -law and A-law encoded speech IEEE 802.3, 802.3ab ITU-T K.21 PacketCable 1.0, 1.5 and 2.0 Compliant RFC3261 Legacy SIP RoHS, WEEE T.38 Fax Relay Telcordia™ GR-1089 Lightning/Surge Telcordia™ GR-63 NEBS UL® 60950 / CB
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Packaging and Weights

Weight, net	0.503 kg 1.11 lb
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