



DTM602 DECT Telephony Modem with Integrated DECT 6.0 Technical Specifications

Specifications

Physical

Operating Temperature °F (°C)	41 to 122 (5 to 50)
Operating Relative Humidity (Min-Max)	5-85% (Non condensing)
Storage Temperature °F (°C)	-40 to 158 (-40 to 70)
Color	Silver
Dimensions (H x W x D) in. (cm)	8.6 x 2.1 x 7.1 (21.8 x 5.3 x 18.0) - excluding F-connector
Weight lbs (kg)	No battery included: 1.2 (0.54)
Battery: 4 Hour Back-up Option (Dark Grey Case)	
Backup Capacity Lithium-ion	2.2 Ah
Battery Dimensions in. (cm)	1.2 x 1.85 x 3.1 (3.0 x 4.7 x 7.9)
Weight lbs (kg)	1.5 (0.66)
Battery: 8 Hour Back-up Option (Light Grey Case)	
Backup Capacity Lithium-ion	4.4 Ah
Battery Dimensions in. (cm)	1.2 x 1.85 x 5.7 (3.0 x 4.7 x 14.5)
Weight lbs (kg) :	1.7 (0.77)
Battery Storage Temperature °F (°C)	-4 to 140 (-20 to 60) <small>Note: Storage above 77°F (25°C) will significantly reduce life of the battery and is not recommended. Telemetry AC Fail, Battery Low, Battery Missing, Replace Battery</small>
Diagnostic LEDs	Power, DS, US, Online, Link, Telephone 1, Telephone 2, Battery, VMWI, Info, HS Handset Locator Button Find Handset

Interfaces

RF Interface	External 'F' type connector
Data Interfaces (bridged)	10/100 Base-T Ethernet (RJ-45 connector)
Telephony Interface	2 lines; RJ-14 ("Line 1/2"), RJ-11 ("Line 2")
Input Voltage (nominal)	100-240 VAC 50/60 Hz

Telephony

Supervisory Voltage	48 V DC nominal
Maximum Loop Length to CPE	1000 ft (457M) of 26 AWG (0.4 mm) wire
Ringing Load Capacity	10 REN total; 5 per line
Provisionable High Loop Current Mode	Yes (40mA constant current source, NA templates ONLY)
Telcordia™ GR 1089 (Lightning and Power Surge) Tested	Yes
Programmable Interface for Worldwide Applications	Yes (supports multiple country templates)

Continue to next page.

Specifications Continued

RF Downstream

Frequency Range (MHz)	88-1002
Modulation (QAM)	64 or 256
Data Rate (Mbps) (Max.)	30 or 42
RF Input Sensitivity Level (dBmV)	-15 to 15
Bandwidth	6 MHz

RF Upstream

Frequency Range (MHz)	5-42
D	
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM, 64 QAM & 128 QAM (S-CDMA only)
Data Rate (Mbps) (Max.)	up to 30.72
RF Output Level (dBmV)	A-TDMA: +8 to 54 dBmV (32 QAM, 64 QAM); +8 to 55dBmV (8 QAM, 16 QAM); +8 to 58 dBmV (QPSK) S-CDMA: +8 to +53 dBmV (all modulations)
Automatic Level Adjust	Yes
Gain Control Range (dB)	50
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75

Integrated DECT

Frequency Range	1921.536
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Standards

Codec: G.711, 64 kbps, μ and A-law encoded speech Enhanced
codec firmware support (G.726, G.728, G.729E) T.38 Fax Relay
DOCSIS 2.0 based
PacketCable 1.0 & 1.5 based RFC3261 SIP: Session Initiation Protocol UL®
60950, FCC Part 15 Class B, CE

Notes:

1. Battery back-up times are typical and can be influenced by the age of the battery, the charging state, storage conditions and operating temperature as well as factors such as data activity and length of active telephone calls. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

ARRIS Technical Specification

Ordering Information

P/N	Description
722038	Touchstone DTM602G/CT-0 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip831 DECT Silver and set Comcast version, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide. NO battery included
722039	Touchstone DTM602G/CT-8 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 4-cell 4.4AHr Li-Ion Battery Pack for up to 8 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip831 DECT Silver Handset Comcast version, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
722040	Touchstone DTM602G/NA-0 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless echnology Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip831 DECT Silver Handset, Quick Install Guide, Ethernet Cable, and CDROM with Users Guide. NO battery included
722041	Touchstone DTM602G/NA-8 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 4-cell 4.4AHr Li-Ion Battery Pack for up to 8 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip831 DECT Silver Handset, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
722042	Touchstone DTM602G/NA-0 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip8402 DECT Black Handset, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide. NO battery included
728943	Touchstone DTM602G/NA-8 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 4-cell 4.4AHr Li-Ion Battery Pack for up to 8 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip8402 DECT Black Handset, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
728986	Touchstone DTM602G/NA-4 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 2-cell 2.2AHr Li-Ion Battery Pack for up to 4 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip8402 DECT Black Handset, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
728989	Touchstone DTM602G/NA-4 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 2-cell 2.2AHr Li-Ion Battery Pack for up to 4 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/6 foot power cord with NEMA 1-15, Includes One ip831 DECT Silver Handset, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
728988	Touchstone DTM602G/CT-0 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Integrated 100-240 VAC, 50/60 HZ Power supply w/ 6 foot power cord with NEMA 1-15, Includes One ip8402 DECT Black Handset Comcast version, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide. NO battery included
728987	Touchstone DTM602G/CT-8 DOCSIS 2.0 / PacketCable 1.0/1.5 Compliant E-MTA with Integrated DECT 6.0 Cordless Technology Includes 4-cell 4.4AHr Li-Ion Battery Pack for up to 8 hours of battery back-up, Integrated 100-240 VAC, 50/60 HZ Power supply w/6 foot power cord with NEMA 1-15, Includes One ip8402 DECT Black Handset Comcast version, Quick Install Guide, Ethernet Cable, and CD-ROM with Users Guide.
718003	Replacement 2-Cell, 2.2 Ah, Li-Ion Battery Pack for TM502G/H, TM602G/H, TM504G/H and DTM602G
718005	Replacement 4-Cell, 4.4 Ah, Li-Ion Battery Pack for TM502G/H, TM602G/H, TM504G/H and DTM602G
728947	One ip8402 DECT Black Handset for DTM602G, Comcast version
721944	Replacement 2-Cell, 2.4 Ah, Li-Ion Battery Pack for TM502G/H, TM602G/H, and TM504G/H
718005	Replacement 4-Cell, 4.4 Ah, Li-Ion Battery Pack for TM502G/H, TM602G/H, and TM504G/H
728948	One ip8402 DECT Black Handset for DTM602G
728949	One ip831 DECT Silver Handset for DTM602G

Customer Care

Contact Customer Care for product information and sales

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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