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## Telecom Surge Protectors

### Connect-IT 552 Telco Surge Protectors



# Connect $\rightleftharpoons$ IT

**Guard All Your Telco Lines: T1, ISDN, DDS, G.SHDSL, Leased & Dial-up!**

## Overview

Your telco lines are a vital data link with the outside world. But they can also end up bringing some very undesirable transient spikes into your data ports. The Patton Model 552 installs between an incoming telco line and dial-up/leased line/xDSL modem, ISDN modem (a.k.a. TA or NTU), T1/E1/PRI or DDS and intercepts harmful telco line transients before they cause hardware damage. Surge energy is then diverted to nearby chassis ground through a braided metal strap.

The following versions are available:

- Model 552-D2 (dial-up line) protects RJ-11 pins 3 & 4
- Model 552-D4 (dual dial-up line) protects RJ-11 pins 2, 3, 4 & 5
- Model 552-DDS protects RJ-45 pins 1, 2, 7 & 8
- Model 552-T1 (T1, E1, PRI) protects RJ-45 pins 1, 2, 4 & 5
- Model 552/U protects pins 3, 4, 5 & 6 on the RJ-45 connector
- Model 552-ST (ISDN) protects all 8 RJ-45 pins. The ISDN versions of the Model 552 protect both data and battery signals.
- Model 552-GS2 protects RJ-45 pins 4 & 5, whereas the 552-GS4 protects RJ-45 pins 3,4,5 & 6.

The G.SHDSL versions of the Model 552 have a surge handling capacity of 600W, all other versions can handle surges of 1500 Watts. A 6-inch (15-cm) adapter cable is supplied with all Model 552 versions.

## Features

- Nine versions custom-tailored to specific telco interfaces
- Surge handling capacity of 1500 Watts
- Surge handling capacity of 600 Watts for G.SHDSL (2W/4W)
- Surge energy diverted to ground through braided metal strap
- "Fail Safe" design protects ISDN equipment in case of overload 6 in. (15.24 cm) modular cable included

# Ordering

| #  | Model #   | Description                    | Availability         |
|----|-----------|--------------------------------|----------------------|
| 1  | 552-D2    | 2-WIRE DIAL UP SURGE PROTECTOR | General Availability |
| 2  | 552-D4    | 4-WIRE DIAL UP SURGE PROTECTOR | General Availability |
| 3  | 552-D6    | SDN SURGE PROTECTOR            | Special Order        |
| 4  | 552-D8    | 8-WIRE DIAL LINE PROTECTOR     | Special Order        |
| 5  | 552-DDS   | 4-WIRE DDS PROTECTOR           | Special Order        |
| 6  | 552-E1    | 4-WIRE E1 SURGE PROTECTOR      | General Availability |
| 7  | 552-E1 CX | 4-WIRE E1 COAX PROTECTOR       | General Availability |
| 8  | 552-GS2   | 2-WIRE G.SHDSL SURGE PROTECTOR | General Availability |
| 9  | 552-GS4   | 4-WIRE G.SHDSL SURGE PROTECTOR | General Availability |
| 10 | 552-L4    | 4-WIRE LEASED SURGE PROTECTOR  | General Availability |
| 11 | 552-L8    | 8-WIRE LEASED LINE PROTECTOR   | General Availability |
| 12 | 552-ST    | ISDN SURGE PROTECTOR           | General Availability |
| 13 | 552-T1    | 4-WIRE T1 PROTECTOR            | General Availability |
| 14 | 552-U     | ISDN SURGE PROTECTOR           | Special Order        |

| Item Number   | Item Description                   | Price  |
|---|------------------------------------|--|
| SVC-SmartCare-BH<br>(/support/support.asp)                | Premium Support for Business Hours | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-SmartCare-24/7<br>(/support/support.asp)              | Premium Support, 24 x 7 Coverage   | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-SmartAssist-BH<br>(/support/support-professional.asp) | Business Hour Support Services     | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-SmartAssist-AH<br>(/support/support-professional.asp) | After Hours Support Services       | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-ENHWAR1<br>(/support/support-warranty.asp)            | 1 Year Enhanced Warranty           | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-ENHWAR2<br>(/support/support-warranty.asp)            | 2 Year Enhanced Warranty           | Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-ENHWAR3<br>(/support/support-warranty.asp)            | 3 Year Enhanced Warranty           | Contact us<br>(/howtobuy/) for availability and pricing. |

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|--|---|--|
| SVC-ENHWAR4<br>(/support/support-warranty.asp)         | 4 Year Enhanced Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-ENHWAR5<br>(/support/support-warranty.asp)         | 5 Year Enhanced Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-EXTWAR2<br>(/support/support-warranty.asp)         | 2 Year Extended Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-EXTWAR3<br>(/support/support-warranty.asp)         | 3 Year Extended Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-EXTWAR4<br>(/support/support-warranty.asp)         | 4 Year Extended Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-EXTWAR5<br>(/support/support-warranty.asp)         | 5 Year Extended Warranty  | Contact us<br>(/howtobuy/) for availability and pricing.<br>Contact us<br>(/howtobuy/) for availability and pricing. |
| SVC-NETENG-HOUR<br>(/support/support-professional.asp) | Network technician hour rate for pre-config services, after hours support, etc. | Contact us<br>(/howtobuy/) for availability and pricing.   |

## Backgrounders

FiberPlex Capabilities Guide (/backgrounders/FiberPlex\_Capabilities\_Statement.pdf) October 6, 2017

## Data Sheets

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf) April 24, 2015

## Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf) November 10, 2010

## User Manuals & Configuration Guides

Connecting 552-GS2 to CL1300 Series Quick Start Guide for MDOT SHA (/manuals/552-GS-QS\_50000045.pdf) November 22, 2019

BroadSoft Configuration Guide for SmartNode SmartWare (/manuals/BroadSoft\_PartnerConfigGuide\_Patton\_SmartNode.pdf) December 2, 2013

Model 552 Series Manual (/manuals/552.pdf) January 27, 2010

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