



# NETWORK SURGE SUPPRESSORS



*"Providing protection against power line surges [with UPS systems] for devices linked by a data communication circuit does not guarantee that surges will not cause damage to the devices. A more comprehensive protection scheme, coordinating both the power line and the data line is required to ensure protection."*

National Bureau of Standards

A minor investment in data line surge protection can provide major reductions in data loss and hardware damage down the road. Together with Tripp Lite's advanced AC surge suppression and UPS solutions, Tripp Lite Network Surge Suppressors represent an important part of any network protection strategy.

## Superior Conductivity and Protection

Tripp Lite Network Surge Suppressors feature premium connectors with gold-plated contacts to provide superior conductivity for all data transmissions. Tight production controls deliver the best surge-clamping levels available. Surge suppression is handled with balanced arrays of high-speed avalanche diodes that divert excess energies away from network components. With Tripp Lite Network Surge Suppressors in place, your network equipment stays protected and your data passes through cleanly.

## ESSENTIAL PROTECTION FOR DATA AND COMMUNICATION LINES

- *Provides More Protection Against Lightning and Surges ... Guaranteed*  
Protects networked equipment with up to 300% more surge-absorbing power than competitive models. Up to \$500,000 Ultimate Lifetime Insurance guarantees your protection for life!\*
- *Protects Every Network Interface*  
Offers the industry's most complete line of network cable protection.

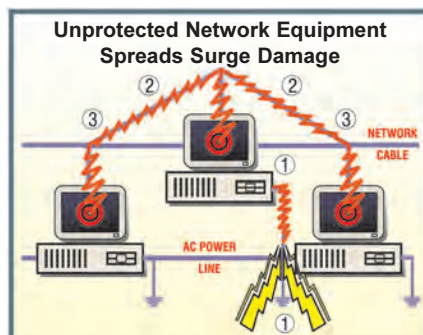
Up To

**\$500,000**  
**ULTIMATE**  
Lifetime Insurance

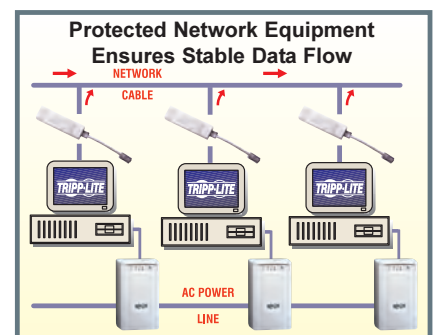
\* When used in conjunction with most Tripp Lite UPS systems or surge suppressors.

## Complete Network Protection Strategy

With longer cable runs and the explosion of network technology, computer systems are increasingly susceptible to problems from data line surges. If you have a data line connected to your computer or network equipment, you have opened a "back door" for damaging surges to enter. Lightning, electrostatic discharges and faulty wiring can send surges along your network lines, causing garbled transmissions, system lock-ups and hardware damage. Installed directly at your data ports, Tripp Lite Network Surge Suppressors close this "back door," protecting your computer's delicate internal circuitry with up to 300% more surge-absorbing power than competitive models.












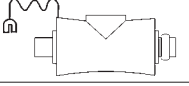










- 1) Surge energy enters your network, "raising" the first unprotected network component it encounters with respect to ground.
- 2) Like water flowing downhill, surge energy travels down your network cabling to damage other connected equipment which have "lower" ground references.
- 3) Surge energy slams into receiver circuits of connected equipment until dissipated. Line driver circuits fail, degrade or misinterpret data. You lose productivity throughout your network.



A complete protection strategy incorporating Tripp Lite Network Surge Suppressors and UPS systems completely protect your equipment from surges on the network communications and AC power line. Transmission voltages with respect to ground are equivalent across your network, ensuring stable data flow.

# SPECIFICATIONS

Model	Interface Type	Style	Application		Lines Protected	Peak Pulse Clamping Voltage	Maximum Current (8/20 $\mu$ s waveform)	Shunt Capacitance
DNET1	RJ45		100Base-T, 10Base-T, Token Ring, AS400/Sys3x, RS422. Ideal for NICs, terminals, hubs, MAUs, LAN equipment. RJ11/45-compatible. RJ45 cable included.		1-8	7.5V	750 amps	<40pF
DTL2	RJ11/RJ45		Protects both single- and two-line telephone equipment. RJ11/45-compatible. RJ11 cable included.		4,5 & 3,6 pairs	260V	250 amps	<40pF
DRS232	RJ45		Protects all RS-232 ports running on unshielded twisted pair. RJ11/45-compatible. RJ45 cable included.		1-8	18V	340 amps	<40pF
DSUT1CSU	RJ45		Protects digital and leased lines, T1 and ISDN interfaces. Ideal for CSU/DSUs and other high-speed equipment. RJ11/45/48-compatible. RJ45 cable included.		1-8	60V	200 amps	<30pF
DUSB	USB (A)		USB-A protector for male or female ports of computers and peripherals, including PCs, printers, hubs, etc. Velcro mounting included.		All	7.5V	200 amps	<40pF
D10B2	BNC coax		Protects 10Base-2 (thin coax) Ethernet network interface cards, bridges, routers, etc. Also protects IBM 3270 and CCTV lines.		Center, Shield & Chassis	7.5V	750 amps	<30pF
DCATV	Type F coax		Protects coaxial cable lines at TV, VCR connection point.		Center & Shield	7.5V	750 amps	<30pF
DB9	DB9		Protects RS-232 DB9 serial ports of data terminal and data communication equipment including PCs, printers, modems/faxes, etc. User-configurable for either male or female captive ports.		1-9 & Chassis	18V	340 amps	<30pF
DB25	DB25		Protects many RS-232 DB25 serial ports of data terminal and data communication equipment including PCs, printers, modems/faxes, etc. User-configurable for either male or female captive ports.		1-8, 20 & Chassis	18V	340 amps	<30pF
DB25-ALL	DB25		Protects any RS-232 DB25 serial port regardless of cable configuration. Self-programming to your application. User-configurable for male or female captive ports.		1-25 & Chassis	18V	340 amps	<30pF

## TRIPP LITE OFFERS A FULL LINE OF QUALITY PRODUCTS FOR POWER PROTECTION AND COMPUTER CONNECTION

### PROTECT SERVERS, ISPs, DATACENTERS & VOIPs

#### SmartOnline™ & SmartPro® Rack/Tower UPS Systems

True on-line or line-interactive battery backup protects against blackouts, brownouts, overvoltages and surges. Models from 500VA to 30kVA.



### PROTECT RACKMOUNT EQUIPMENT

#### Isobar® Rackmount Surge Suppressors

Premium surge, spike and line noise protection for all servers, hubs, routers and other internetworking equipment. 12 outlet models with up to 1280 joules of surge suppression.



### CONNECT ALL COMPUTING EQUIPMENT WITH FAST DATA TRANSFER

#### Cable & Connectivity Solutions

A full line of products including USB/FireWire®, PC/Mac, Cat6/Cat5e/ network, SCSI/ Fibre channel, SATA, home theater cables and KVM Switches.



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