DTK-RM16NETS

Rack Mount Shielded Network Surge Protector

DITEK Surge Protection



DITEK's DTK-RM16NETS is a 16-channel, upgradeable, 1U rack mount surge protector that use state-of-the-art circuitry to provide best-in-breed surge protection for shielded Ethernet, PoE and optional PoE Extender circuits. It supports data speeds up to 10GbE, and provides surge protection grounding to remote devices when used with STP cabling. The DTK-RM16NETS is ideal for installations where multiple Ethernet cabling feeds require protection before entering network switches.

Product Features

- Uses SAD and GDT technologies for optimal circuit protection
- Robust 20kA per pair surge current capacity is the highest offered for shielded network devices
- Rapid-replacement modular design allows modules to be swapped from front of device without removing from rack
- Additional modules can be added to support up to 24-channels
- PoE Plus, HiPoE ready for high-wattage applications

Applications

- Network Switches, NVR's, PoE Hubs
- Midspans, Injectors, VoIP Systems
- Ethernet & PoE Devices, PoE Extenders

Accessories

- Mix and match rapid-replacement modules to protect Ethernet, PoE and PoE Extender circuits within the same rack mount housing
  - DTK-NETMS – For Ethernet & PoE Circuits
  - DTK-EXTMS – For PoE Extender Circuits

Category	Max Data Speed Transmission	Max Bandwidth	Typical Distance
CAT5e	1 Gb	100 MHz	100 m
CAT6	1 Gb	250 MHz	100 m
CAT6A	10 Gb	500 MHz	100 m

Cabling information obtained from TIA-568-C.2

Technical Specifications

Service Voltage:	<60V
Protection Modes:	L-G (All), L-L (All)
Clamping Voltage Common Mode (L-G):	75V
Clamping Voltage Differential Mode (L-L):	7.22V
Surge Current Rating:	20kA/Pair
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

Mechanical Characteristics

Connection Method:	Shielded RJ45 In/Out, 16 Channels
Housing:	Galvanneal
Operating Temperature:	-40°F - 158°F (-40°C - 70°C)
Maximum Humidity:	95% non-condensing
Dimensions:	19"L x 2.75"W x 1.75"H (483mm x 70mm x 45mm)
Weight:	4.00lb (1.81kg)

Quality, Standards & Approval

Agency Approvals:	UL497B
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

Cabling information obtained from TIA-568-C.2

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

One DITEK Center 1720 Starkey Road - Largo, FL 33771
Phone: 1-800-753-2345 Direct: 727-812-5000
Technical Support: 1-888-472-6100
www.diteksurgeprotection.com

Doc. Number: SPS-100092-002 Rev 6 6/20
©2020 DITEK Corp.

ISO 9001 UL LISTED MADE IN U. S. A.