

# DTK-RM24NETS

24-Channel, Rack Mount Shielded Network Surge Protector



**DITEK's DTK-RM24NETS** is a 24-channel, 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. The DTK-RM24NETS Series supports data speeds up to 10GbE, and provides surge protection grounding to remote devices when used with STP cabling; making it ideal for installations where multiple Ethernet cabling feeds require protection before entering network switches.

## Product Features

- Uses SAD and GDT technologies to provide optimal protection for shielded Ethernet, PoE & PoE extender\* circuits
- Rapid-replacement modular design allows modules to be swapped from front of device without removing from rack
- Robust 20kA per pair surge current capacity is the highest offered for shielded network devices
- 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

- Field-replaceable modules
  - DTK-NETMS - Ethernet & PoE Circuits
  - DTK-EXTMS – PoE Extender Circuits

\* DTK-EXTMS module required to protect PoE extender circuits

Category	Max Data Speed Transmission	Max Bandwidth	Typical Distance
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 /100 Mbps	100 MHz	100 m
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

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.

## 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
Max. Continuous Current:	1.5Amps
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

## Mechanical Characteristics

Connection Method:	Shielded RJ45 In/Out, 24 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:	1.67lb (.76kg)

## Quality, Standards & Approval

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

