

# DTK-RM16EXTS

Rack Mount Shielded Surge Protection for PoE Extender Circuits



**DITEK's DTK-RM16EXTS** is a 16-channel, upgradeable, 1U rack mount surge protector designed with state-of-the-art circuitry to provide superior protection for shielded Power over Ethernet Extender Circuits. It supports data speeds up to 10GbE, and provides surge protection grounding to remote devices when used with STP cabling. The DTK-RM16EXTS is ideal for installations with multiple-port mid span injectors and hybrid network scenarios.

## 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 for 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

- Ethernet & PoE Devices, PoE Extenders

## Accessories

- Mix and match rapid-replacement modules
  - DTK-EXTMS – For PoE Extender Circuits
  - DTK-NETMS – For Ethernet & PoE Circuits

\* DTK-NETMS module required to protect Ethernet & PoE circuits

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 / 100 Mbps	100 MHz	100 m
CAT5e	1 Gbps	100 MHz	100 m
CAT6	1 Gbps	250 MHz	100 m
CAT6A	10 Gbps	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):	72V
Surge Current Rating:	20kA/Pair
Max. Continuous Current:	1.5 Amps
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

## Mechanical Characteristics

Connection Method:	Shielded RJ45 In/Out, 16 Channels
Housing:	Galvanneal
Operating Temperature:	-40F – 158F (-40C – 70C)
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

