



# DTK-RM16NETS

## Rack Mount Network Surge Protector



**DITEK's DTK-RM16NETS** is a 16-channel, 1U rack mount surge protector that uses state-of-the-art circuitry to provide best-in-breed surge protection for 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

- Hybrid design utilizing SAD and GDT technologies for optimal protection
- Robust 20kA per pair surge current rating
- 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
- Complies with all IEEE Power over Ethernet standards

### Applications

- Network Switches, NVR's, PoE Hubs
- Midspans, Injectors, VoIP Systems
- Audio Video Over IP 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

### Technical Specifications

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

### Mechanical Specifications

<b>Connection Method:</b>	Shielded RJ45 Female In/Out
<b>Housing:</b>	Galvanneal
<b>Operating Temperature:</b>	-40°F – 158°F (-40°C – 70°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	19" L X 2.75" W x 1.75" H (483 mm x 70 mm x 45 mm)
<b>Weight:</b>	4.0 lb (1.81 kg)

### Quality Standards & Approvals

<b>Certifications:</b>	UL497B
<b>Standards Compliance:</b>	CAT5e, EIA/TIA 568A, EIA/TIA 568B
<b>Warranty:</b>	10 Year Limited Warranty

IEEE PoE Standard	Wattage	Compatible
802.3af	15.4 W	Yes
802.3at	30 W	Yes
802.3bt Type 3	60 W	Yes
802.3bt Type 4	100 W	Yes

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