

# 1 GIGABIT PROTECTORS

## 1Gb CAT6-POE - CAT6 PROTECTOR FOR MID-SPAN POWER OVER ETHERNET APPLICATIONS

### Features:

- UL Listed for Primary (497) and Isolated Loop (497B) applications.
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 connector performance.
- Solid-state protection for fastest response.
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector.
- Complies with pinouts and the operating voltage of IEEE Std 802.3af. For CISCO POE systems use CAT6-75.

- **Expandable System Protection** - SurgeGate Series Base Units and Modules can be attached to expand system protection as your system grows.
- **Lifetime Product Warranty** - This surge protector shall be free of any defects in design, materials, or workmanship, or ITW Linx will repair or replace the defective product.
- **\$50,000 Connected Equipment** - This ITW Linx product will protect your equipment or we will repair or replace it up to \$50,000!



### ORDERING INFORMATION

ITW Linx Part Number	Description
CAT6-POE	Protects high-performance 4-pair Category 6 Outside Plant Cables as well as Category 6 UTP cables for Power Over Ethernet applications (16V & 68V clamping). Using 110 punchdown In/Out. Can also be used for mid-span POE applications where power and data are separate. (MOQ 12)

\* Questions about ordering? Please contact us at **1-800-336-LINX** / Contact an authorized distributor for pricing \*



For up-to-date warranty information, please visit our web site at [www.itwlinx.com](http://www.itwlinx.com).

### TECHNICAL SPECIFICATIONS

#### PRODUCT SPECIFICATIONS:

Agency Approval.....	UL Primary (497) and Isolated Loop (497B)
LED Indicators.....	N/A
Grounding Requirements.....	See Technical Reference page 81-98 for additional grounding tips.
Recommended Grounding Impedance.....	<0.5 Ohm
Width.....	4.25"
Height.....	4.25"
Depth.....	1.5"
Weight.....	0.42 lbs
Product Warranty.....	Lifetime
Connected Equipment Warranty.....	Up to \$50,000

#### SIGNAL LINE SURGE PROTECTION:

TELCO CIRCUIT PROTECTION .....N/A

COAX CIRCUIT PROTECTION .....N/A

#### LAN CIRCUIT PROTECTION

Signal Perfect Circuitry.....	Yes
Fused/Auto-Resettable.....	Yes
Performance Rating.....	Cat 6
Clamping Level.....	16V-Data (Green & Orange pairs)
.....	68V-Power (Blue & Brown pairs)
Response Time.....	1-5 Nanoseconds
Capacitance.....	<5pF
Wires Protected.....	4-pairs
Termination Type.....	110 Punchdown

AC SURGE PROTECTION:.....N/A

For more technical information, refer to "TECHNICAL REFERENCE", page(81-98).

Signal Perfect™ - For more information, refer to page 81.



# SurgeGate™