

1. GENERAL APPLICATIONS

STABIL Data Line Surge Protector with **STAC™** Technology is the world latest innovative designed technology for the telecommunications, data processing, LAN / Ethernet network, CCTV and network camera Surge Protector today and beyond, the STABIL Data Line Surge Protector with **STAC™** Technology has the fastest and finest surge protection performance than ever before which has the extremely fast response time by less than milliseconds, the circuit is also designed with very low loss, over voltage / Temporary Over Voltage protections concept therefore you can highly confident to get on the best surge protection performance products.

2. FEATURES

- 2.1 Protects equipment from high voltage surge from nearby lightning strikes
- 2.2 Data Line Surge Protector with **STAC™** Technology
- 2.3 Compatible with Power over Ethernet (PoE)
- 2.4 All modes protection
- 2.5 10/100/1000 / **10G (CAT 6)** Base-T Gigabit Ethernet networks protection
- 2.6 Individual or wall mounting or 35 mm. DIN rail mounting or with 1U patch panel (holds up to 8 modules) to fit with 19" rack standard or weatherproof enclosure for outdoor application (outdoor model only)
- 2.7 Easy installation and maintenance free

3. ELECTRICAL DATA

The completed protector meets the electrical specifications as follows :

Description	Specification
3.1 Nominal voltage : pin 1-2, 3-6 : pin 4-5, 7-8	5 Volt up to 48 Volt
3.2 Max. operating voltage : pin 1-2, 3-6 : pin 4-5, 7-8	6 Volt 60 Volt
3.3 Voltage protection level : pin 1-2, 3-6 : pin 4-5, 7-8	< 40 Volt at 1 kV / μ Sec < 105 Volt at 1 kV / μ Sec
3.4 Clamping voltage : pin 1-2, 3-6	8 V \pm 25% at current > 100 mA 50 Hz
3.5 TOVs surge current : pin 1-2, 3-6	> 500 mA 50 Hz in 5 Sec
3.6 Let through voltage : pin 1-2, 3-6	< 14 Volt (due to TOVs surge current)
3.7 Transient surge current	50 A at 10/1000 μ Sec
3.8 Operating temperature	- 20 °C to 70 °C
3.9 Data rate	10/100/1000 / 10G (CAT6) Mbps
3.10 Response time	< 10 nSec
3.11 Connector type (input / output)	Modular RJ45 (female / female)
3.12 Housing material (indoor / outdoor application)	Metal / ABS Plastic (UL94V-0)
3.13 Standard according	ANSI / IEEE C62.41.1-2002, ANSI / IEEE 802.3af (PoE) ITU-T Rec K12, TIA/EIA-568A

Power over Ethernet

Mode B (CAT 6)



Model : TLDE-EBX7 (CAT 6)

Indoor Application



Model : SR19-1U-D8J

Mounting on the rack 19" patch panel



Model : TLPE-EBX7 (CAT 6)

Outdoor Application