

Outdoor GbE High PoE+/ESD Surge Protector

ESWA-3200C6x

Features:

- 10/100/1000 MbPS,
- Verified 100% Transmission @ 1000Mb/s over 100 meters Cat5E cable by SmartBits Packet Generator
- Multi-stage and hybrid design by Gas Discharge Tube (GDT) and bi-directional Transient Voltage Suppressing (TVS) technology provide the fast turn-on and low clamping voltage protection
- Provides transient protection for the protected differential line pair to
 - IEEE 802.3 af/at (Transmission)
 - IEC 61000-4-2 (ESD) $\pm 30\text{KV}$ (Contact/Air)
 - IEC 61000-4-4 (EFT) 60A(5/50ns)
 - IEC 61000-4-5 (Lightning/Surge) 20KA(8/20 μs)
 - Cable Discharge Event (CDE)
- 2.8V Data Clamping Voltage
- PoE input voltage Vmax up to 60V
- PoE input current Imax up to 2A
- Fast Response Time (<3ns)
- Extremely Low Capacitance (<3pf)
- Impedance 100 ohms
- Shielded/Grounded RJ-45 Jacks
- Any polarity on any pair - total flexibility
- Removable board design for easy installation and replacement
- Impact and weather resistant enclosure with locking hinged cover
- Mounting holes at the rear of the enclosure
- Cable grommet may be adjusted to cable size and are removable
- IEC 61643-21, IEC61000-4-2, IEC 61000-4-4, IEC61000-4-5 and CORE 1089 compliant
- RoHS compliant



Specifications:

Clamping Voltage	Line-Ground: 72 Volts Line-Line: 2.8 Volts Shielded-Ground: 72 Volts
Maximum Impulse Discharge Current(8/20 μs)	20 KA
Maximum Capacitance	<3 pf
Response time	< 3 ns
PoE Maximum Input Voltage Vmax	60 V
PoE Maximum Input Current Imax	2 A

Impedance	100 ohms
Protection Modes	Line-Line, Line-Ground
Standard Connectors	Shielded RJ-45 Female * 2
Enclosure Material	Anti-UV Polycarbonate
Enclosure Color	Gray
Ground Lug	12 AWG Max.
Operating Temperature	-40°C (-40°F) to +80°C (+176°F)
Outside Dimensions (W*L*H)	78*103*49 mm
Weight:	110 g

Diagram

