

PRODUCT CHARACTERISTICS

APPLICATION:

The Transtector GbE PoE Module is designed to protect the equipment in Gigabit PoE applications from damaging over-voltage transients. This extremely robust, yet compact, surge protection for Gigabit PoE applications provides very low let-thru voltage, while being virtually invisible in the circuit. The 1000-1117 modules are designed to mount in a CPX chassis. Users can choose either the CPX Chassis (P/N 1101-972) allowing up to 16 single width modules to be mounted in only 1 RU of 19" rack space, or the CPX Wall Mount Chassis (P/N 1101-1137) which allows up to 4 single width modules to be mounted to a wall or flat surface.

ELECTRICAL PERFORMANCE:

Connector Type: Shielded RJ45
IEEE 802.3af & 802.3at PoE Compatible: Mode A and/or Mode B
Protected Pins: (1,2), (3,6), (4,5), (7,8)
Maximum Data Rate: 1000 Mb/s, 1000Base-T per IEEE 802.3ab
Maximum Continuous Operating Voltage (MCOV): ±70 Vdc
Maximum Surge (Line to Ground): ≥100 A, 10/1000 µs, @ 25°C
Voltage Protection Level (Let-thru Voltage): 160 volts peak @ 100A, 10/1000 µs, @ 25°C
Frame Loss: 0% Frame Loss at full 1000Mb/s throughput with a unit at each end of 100m of CAT 5e cable up to 55°C, <2% Average Frame Loss at full 1000Mb/s throughput with a unit at each end of 100m of CAT 5e cable, 55°C to 70°C. 100% transmission at full Gigabit rates with a unit at each end of 100 meters of CAT 5e cable
Maximum Current: 800 mA per pin
Impedance: 85 to 115 Ω

APPROVALS:

CE compliant
RoHS compliant
IEC/ANSI/UL/CSA 60950 compliant
Hazardous Location Certifications: ETL Class I Div 2, Class 1 Zone 2, ATEX (ITS14ATEX48147X),
IECEX (IECEX ETL 14.0041X) (See Figure 1)

MECHANICAL:

Dimensions: 0.99 x 1.63 x 3.08 inches (25 x 41 x 78 mm)
Weight: ≤0.1 lbs. typical (≤0.05 kg typical)
Mounting: CPX Chassis (P/N 1101-972) and CPX Wall Mount Chassis (P/N 1101-1137) compatible

ENVIRONMENTAL:

Operating/Storage Temperature: -40°C to +65°C
Relative Humidity: 0 to 95% (non-condensing)

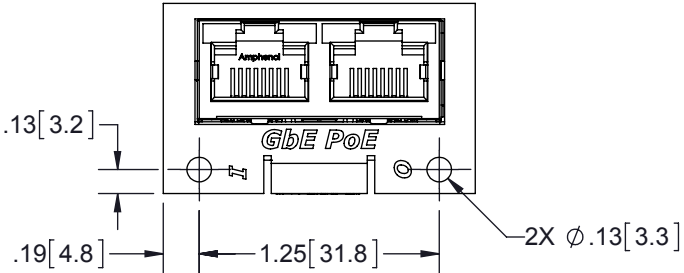
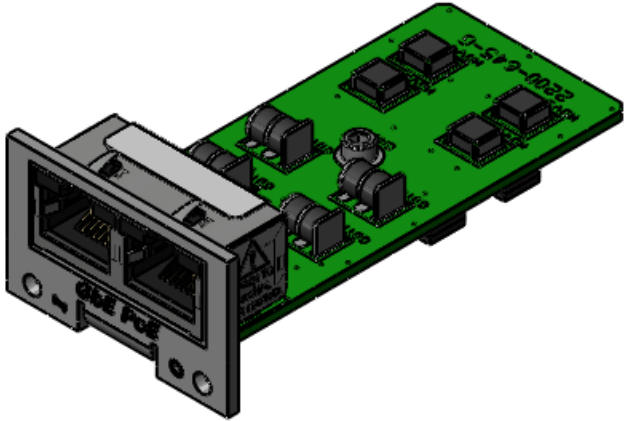
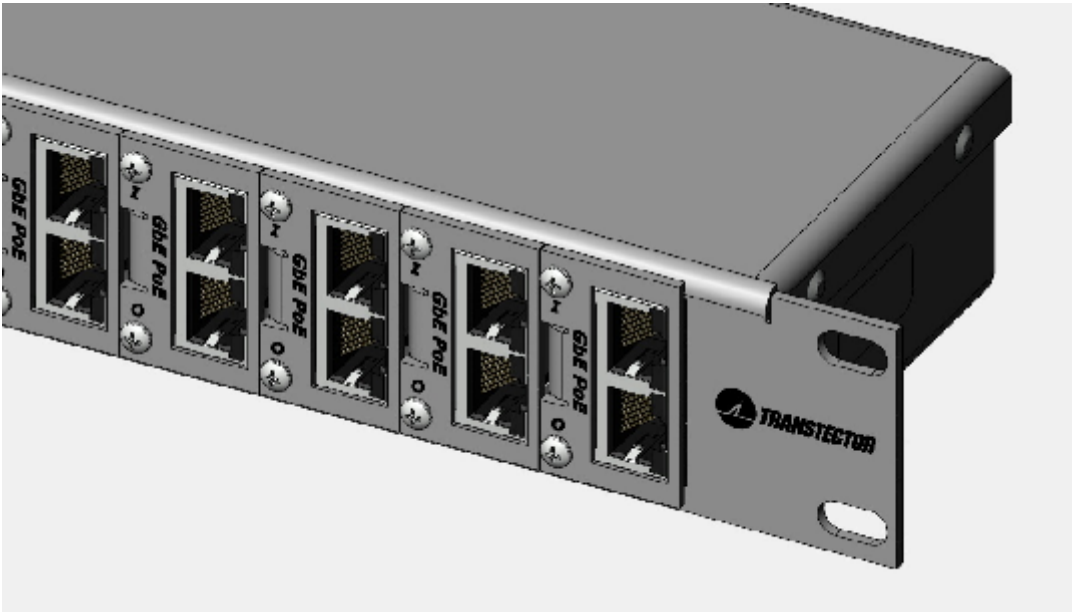
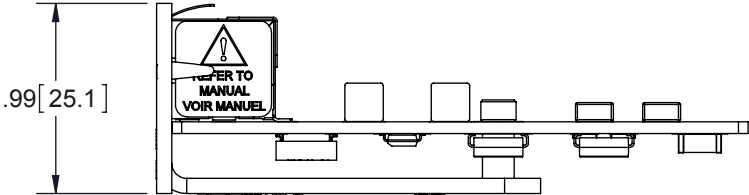
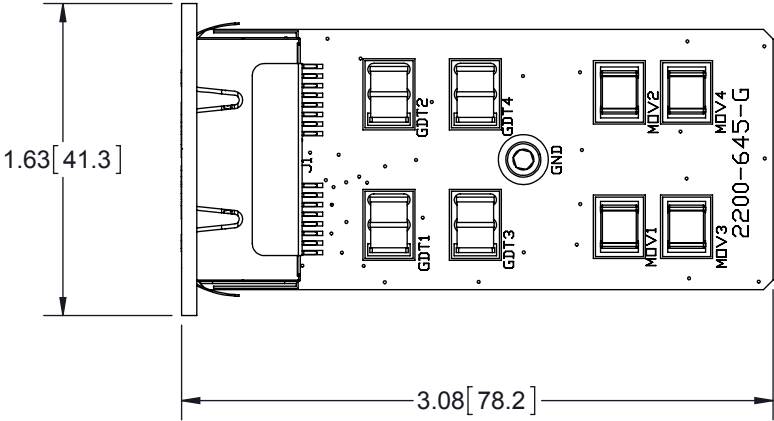


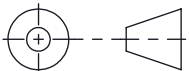
Figure 1: Hazardous Locations

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
E	REFER TO ECN	13064	03/25/15	KAD



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		DRAWN	HMB		DATE	9/11/13					
		ENG APPD	EHN		9/16/13						
TOLERANCES: FRACTIONS=± 1/32 .XX=± .03 ANGLES=± 1 ° .XXX=± .010		PRODUCT MGR	SJD		10/1/13		TITLE CPX GbE/PoE MODULE CUSTOMER SPECIFICATION				
		MARKETING APPD	LJ		10/2/13						
MATERIAL		PROJECT NO.		DD106371		SIZE B					
THIRD-ANGLE PROJECTION 		NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.								CAGE	
						30992		1000-1117		E	
		SCALE		1:1		PROD CAT		DST		DOCUMENT NAME	
								1000-1117-C		SHEET	
										1 OF 1	