

FEATURES

- ❖ Two Staefa SM2 TTL repeater ports
- ❖ Staefa's SM2 TTL communication to RS-232
- ❖ Transformer isolation onboard

APPLICATIONS

- ❖ Convert Staefa's Talon Network Manager's RS-232 to Staefa's SM2 TTL communication format
- ❖ Convert Tridium's Network Manager's RS-232 to Staefa's SM2 TTL communication format

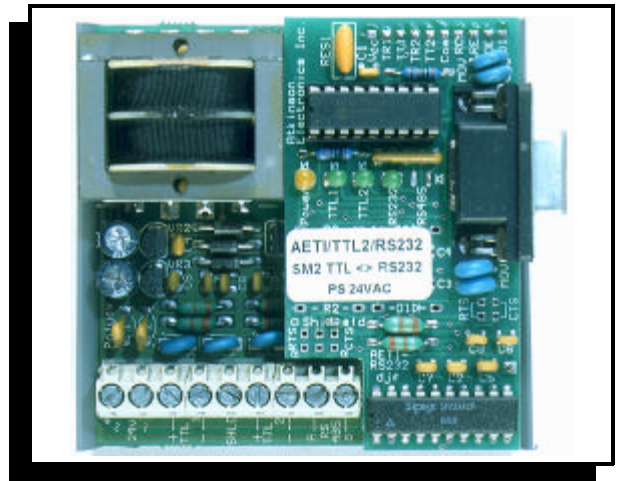
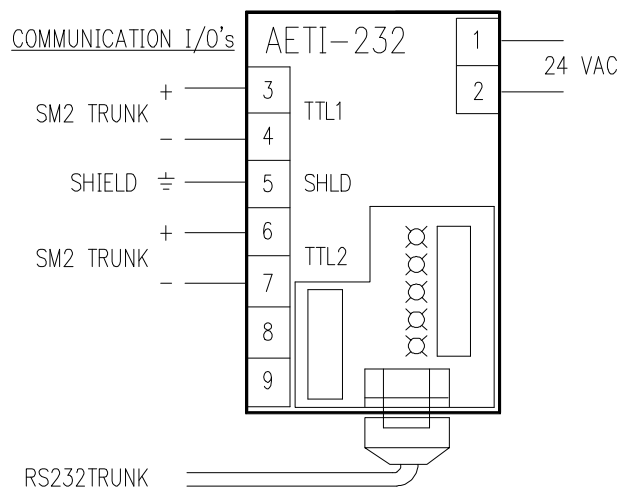
DESCRIPTION

The AETI-232 is a TTL to TTL to RS-232 repeater module. It was designed to interface between Staefa's Smart II communication trunk and Staefa's Talon Network Manager or Tridium's Jace Network Manager using the Smart II Driver. The AETI-232 repeats the communication information it sees on any of the three ports (either TTL or RS-232) to the other two ports (either TTL or RS-232). The AETI-232 has two TTL ports allowing additional quantities of Smart II controllers to operate on a Network Manager RS-232 trunk. The AETI-232 uses an on-board isolation transformer to provide isolation between each of the TTL and RS-232 communication ports.

OPERATION

The AETI-232 uses an on-board isolation transformer to provide three (3) isolated 12V AC sources for powering the three voltage regulators for each of the communication ports and the embedded micro controller. The micro controller monitors the three I/O ports and performs the hand-shaking between the TTL ports and the RS-232 port. Each of the TTL ports are fused with a PolySwitch® resettable fuse.

WIRING CONFIGURATION

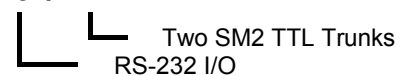


SPECIFICATIONS

SIZE:	3.0" L x 3.0" W x 1.25" H
MOUNTING:	3.0" W RDI snap-track (supplied)
POWER:	24V AC, ± 10%, 50/60Hz, 3.75VA
TRUNK I/O's:	Staefa's SM2 TTL and RS-232, Optional RS-485 ½ duplex format
TRUNK CAPACITY:	Approx. 32 Smart II devices / TTL
BAUD RATES:	300 to 2400 baud
MAX. LENGTH:	TTL trunk 2,500 Feet RS-232 50 Feet
TRUNK WIRE:	18 AWG shielded twisted pair
RS-232 PORT:	DB9 Female connector
AMBIENT TEMP:	0 to 50°C

ORDERING INFORMATION

AETI-232/TTL2

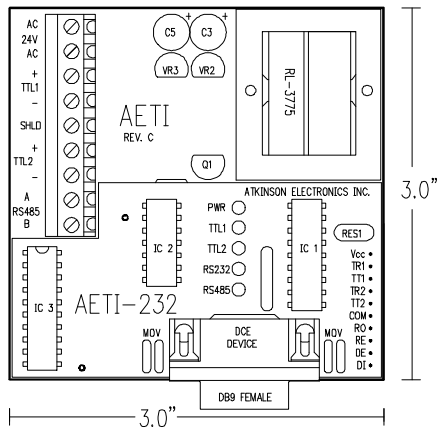


Dual SM2 TTL to RS-232 interface module

OPTIONAL CABLE INFORMATION

- CBL-DB9-Ext.** - DB9M to DB9F 6' Extension cable
- CBL-DB9-RJ45** - DB9M to RJ45 6' Adapter cable

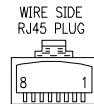
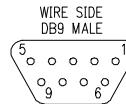
PHYSICAL CONFIGURATION



CABLE CONFIGURATION

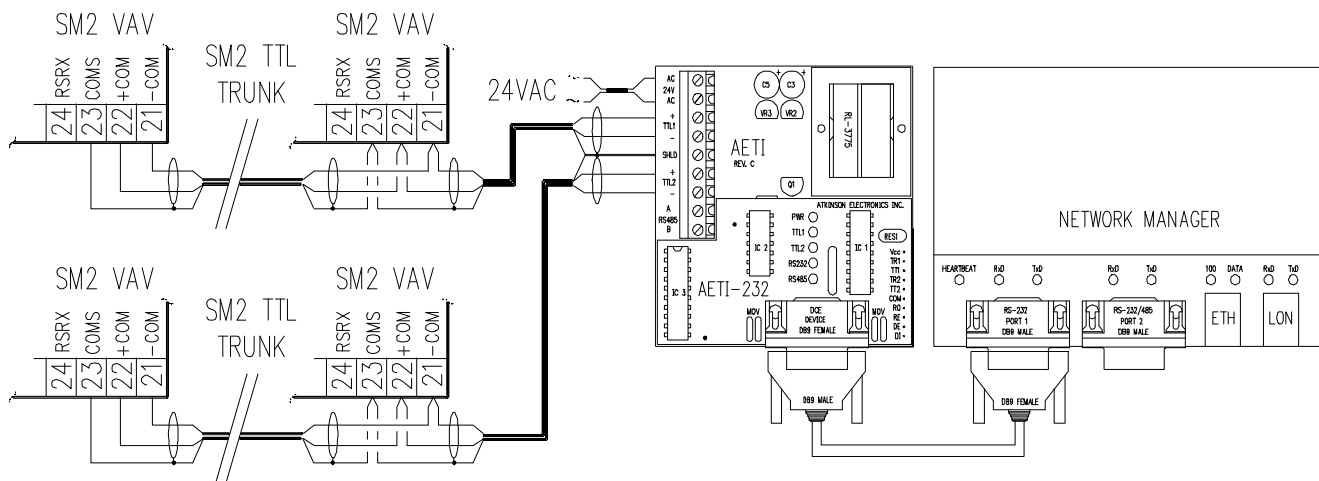
CBL-DB9-Ext. - DB9M-DB9F Straight through
(For connecting to a DCE device - AETI)

CBL-DB9/JR45 - DB9M-RJ45 Adapter cable



1	DCD	Date carrier detect	5
2	RXD	Receive data	6
3	TXD	Transmit data	3
4	DTR	Data terminal ready	1
5	GND	Ground	4
6	DSR	Data set ready	8
7	RTS	Request to send	2
8	CTS	Clear to send	7
9		not used on the JACE-4	

APPLICATION - 1 CONVERSION OF RS-232 TO STAEFA'S TTL COMMUNICATION TRUNK



The AETI-232/TTL2 is configured to convert either Staefa's Talon or Tridium's Jace Network Manager RS-232 output (with Smart II Driver) to two SM2 TTL communication trunks. The AETI-232 is configured as a DCE device and requires a DB9 M/F extension cable (pin for pin) to be able to connect to the Network Manager's RS-232 Port (DTE device) and communicate properly.