



SPECIFICATIONS

T1/FT1 Interface	Supported Standards: AT&T 54016, ANSI T1.403 Line Rate: 1.544 Mbps Line Code: AMI or B8ZS Framing: SF or ESF Input Signal: 0 to -36 dB (DS1) DS0 Assignment: Contiguous or Alternating Connector: RJ-48C, V.35
Clock Source	Network, Internal, DTE
Diagnostics	Test Pattern Generation and Detection: 511, all ones, all zeros, 1:8 Network loopbacks (local and remote); responds to both inband and FDL loop codes
Compliance	FCC Part 15 Class A, ACTA/FCC Part 68, IC CS-03 UL/CUL 60950
Physical	Dimensions: 2.75-inch W x 4.25-inch D Operating Temperature: 0°C to 50°C Storage Temperature: -20°C to 70°C Relative Humidity: Up to 95 percent, noncondensing

GETTING STARTED

Two configuration methods are available for your TSU ACE unit:

- Front panel LCD
- ADTRAN's PC control program, T_Watch PRO

Choose the option which best suits your needs. A limited menu tree is provided on the back of this sheet for configuring through the front panel LCD.

INSTALLATION INSTRUCTIONS

1. Connect the device to the network T1 circuit through the RJ-48C jack (labeled **NETWORK**) on the rear of the unit.
2. Connect the device to DTE equipment through the rear panel V.35 interface (labeled **V.35 Nx56/64**).
3. Connect the power cord to the unit via the receptacle (labeled **115VAC 60HZ 0.15A**) and then to a reliably grounded 115 VAC, 60 Hz power source.
4. Upon the first application of power, the unit will automatically execute self-tests followed by an initialization sequence. When shipped from the factory, the TSU ACE is uninitialized and set to factory default conditions.
5. Configure the TSU ACE using the local front panel of the unit or from T-Watch PRO.



Additional information can be found on the TSU Single Port Family product CD which shipped with the unit. It contains the TSU ACE User Manual as well as other applicable documentation.

MENU TREE - OVERVIEW

MAIN MENU	1) STATUS	1) NI PERF REPORTS
		2) CURR ERR/ALM
		3) ERR/ALM HISTORY
	2) CONFIG	1) NETWORK (NI)
		2) PORT
	3) UTIL	1) SOFTWARE REV
		2) REINIT UNIT
		3) ADDRESS
		4) SET PASSCODE
		5) KEYPAD
		6) FACTORY RESTORE
	4) TEST	1) NETWORK TESTS
		2) RUN SELF-TEST
	3) PORT TESTS	

NETWORK (RJ-48C) CONNECTION PINOUTS

Pin	Name	Description
1	R1	Receive data from the network - Ring 1
2	T1	Receive data from the network - Tip 1
3	—	Unused
4	R	Transmit data toward the network - Ring
5	T	Transmit data toward the network - Tip
6-8	—	Unused

V.35 CONNECTION PINOUTS

Pin	CCITT	Description
A	101	Protective ground (PG)
B	102	Signal ground (SG)
C	105	Request to send (RTS) from DTE
D	106	Clear to send (CTS) to DTE
E	107	Data set ready (DSR) to DTE
F	109	Received line signal detector (DCD) to DTE
H	—	Data terminal ready (DTR) from DTE
J	—	Ring indicator (RI)
L	—	Local loopback (LL)
N	—	Remote loopback (RL)
R	104	Received data (RD-A) to DTE
T	104	Received data (RD-B) to DTE
V	115	RX clock (RC-A) to DTE
X	115	RX clock (RC-B) to DTE
P	103	Transmitted data (TD-A) from DTE
S	103	Transmitted data (TD-B) from DTE
Y	114	TX clock (TC-A)
AA	114	TX clock (TC-B)
U	113	External TX clock (ETC-A) from DTE
W	113	External TX clock (ETC-B) from DTE
NN&K	—	Test mode (TM) to DTE