

# TransTerm 6 Data Terminal



## FULL-SIZED KEYBOARD FOR MORE VERSATILITY

### *Overview*

The *TransTerm 6* is an economical solution to alphanumeric data entry applications where a full size keyboard and light weight are important considerations. Diverse industrial data collection requirements such as employee time and attendance, work flow tracking, and inventory and production control are but a few of the uses to which the *TransTerm 6* can be applied.

The *TransTerm 6* is easy for untrained personnel to operate. due to its simple, straightforward layout. The compact unit is built of aluminum to withstand harsh environments and handling, and the hermetically sealed membrane keyboard is full-sized and unaffected by grease, and most chemicals and solvents. The two line 80 character LC display has ample capacity for computer generated prompts and instructions as well as for operator entered data to be simultaneously displayed. The standard RS-232C communications interface provides the means to directly connect the *TransTerm 6* to most computer systems.

The optional RS-422 TNET interface allows up to 250 terminals to be connected on a common net-

work into a central network controller which then hooks to the host computer via an RS-232 communications port. A data collection program for a WIN9x or NT computer which can shorten implementation time is also available .

### *Operation*

The *TransTerm 6* can operate in one of three modes:

- (1) TTY Mode
- (2) BLOCK SEND Mode
- (3) TNET Multidrop Mode

In TTY and BLOCK SEND modes, ASCII data received by the *TransTerm 6* is placed on the display at the cursor position. The cursor moves from left to right and from the top to bottom. In the TTY mode, keyboarded data is transmitted as it is keyed. In the BLOCK SEND mode and in the TNET multi-drop mode, keyed data is locally placed on the display and transmitted only after the ENTER key is pressed. In the TNET mode, the *TransTerm 6* must be selected with its unique unit address in order to receive and process data or send ENTERed data. In all three modes, the terminal recognizes the various ASCII control codes and numerous ESCape sequence commands.

# TT6 Features

## Keyboard

53 key hermetically sealed membrane keyboard with embossed graphics in QWERTY layout. Audible key-click for tactile feedback. Actuating force of 4-8 ounces and a rated life of 10MM cycles per switch. Eight blue keys can be programmed as special purpose keys: CLEAR, ENTER, DELETE, ESCAPE, RETURN, LF, CONTROL, SPACE(1), SPACE(2).

## Communications

The standard RS-232 communications interface allows the TransTerm 6 to be easily interfaced directly to any host computer which has a serial communications port. The optional RS-422 compatible TNET interface allows the TransTerm 6 to communicate point-to-point over long cable runs, or to be multi-dropped in a network with other like devices under control of the TNET polling protocol which is inherent in the Computerwise TIM1 network controller. Up to 250 terminals can be supported on a TNET system. Off-the-shelf data collection software for PC/AT/PS2 computer systems can minimize implementation time and expense.

PIN	SIGNAL	DESCRIPTION
1	FG	Frame Ground. Common to logic ground
2	TD	RS-232 Transmit Data. Serial data output.
3	RD	RS-232 Receive Data. Serial data input.
4	RTS	RS-232 Request to Send. Active when the terminal is powered up.
5	CTS	RS-232 Clear to Send. May be used to hold off terminal transmission.
7	SG	Signal ground. Common with logic ground & FG.
20	DTR	Data Terminal Ready output or optional 12VDC power input.

## Options

### Bar-code Decoding Option

This adds the electronics and a panel mounted connector to the TransTerm 4C for interfacing a digital bar code wand or any laser or CCD scanner which produces signals compatible therewith. The decoding option will autodiscriminate Code 39, Extended Code 39, UPC-A, UPC-E, EAN-8 EAN-13, CODABAR, I2of5, and Code 128. Each of these symbologies can be enabled/disabled under SETUP or program control. The bar code port has a 5-pin DIN connector.

### Magnetic Stripe Card Reader (MSCR) Interface Option

This adds the electronics to decode the raw data from the MR-211 manual swipe reader which can read the magnetically recorded information found on Track 2 of a standard ABA credit card (F2F coherent phase encoding per ANSI X4.16). The MSCR interface reads the 40 digit numeric data record off the card as it passes through the read station, decodes the data, and then processes it the same as if it had been key-entered from the keyboard. The MSCR interface normally connects to the MR-211 reader with a six inch cable.

### Auxiliary Serial Port Option

This option adds a second serial communication port to the TransTerm 4C which is controllable with ESCape commands from the computer. The auxiliary serial port might typically be used to output data to a serial printer or to input data from a scale, etc.

### Pulse Output Option

This option gives the TransTerm 4C the capability to generate a programmed pulse output under remote control via ESCape commands sent from the computer. This option could be used to actuate a door strike or to pen a cash drawer, etc..

## Counter Input

This option allows the TransTerm 4C to count and calculate closures of an external dry contact switch input. The count value can be interrogated and reset remotely by ESCape commands sent from the computer. This option could be used to monitor run-time or to count machine cycles.

## Accessories



1. CCD 81T Handheld CCD Scanner
2. SL1003I Barcode Slot (ID Badge) Reader
3. MR211 Magnetic Stripe Card Reader
4. WA5100 Wand
5. Wand Holder (910219)
6. Tilt Bracket
7. QS6000 Handheld Laser Barcode Scanner
8. WA3800 (Bar code Image Scanner)

## Specifications

### Construction

Aluminum and ABS plastic parts

### Dimensions

Height: 1.75" (4.4cm)  
Width: 11.65" (29.6cm)  
Depth: 6.9" (17.5cm)

### Weight

Basic Unit: 1.50 lbs.  
Power Adapter: 0.500 lbs.

### Operating Environment

Temperature: 0 to 60°C (32 to 120°F)  
Humidity: 5% to 95% non-condensing

### Storage Environment

Temperature: 30° to 70°C (-4° to 158°F)  
Humidity: 0% to 100%

### Power Consumption

Basic TT6 Terminal: 130ma.  
With Backlight Display: +35ma.  
With Current Loop Opt: +30ma.

**COMPUTERWISE**

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