unitech

MR320
Online Data Collection Terminal

The MR320 is a compact, stationary data collection terminal that offers flexible operation at an affordable price. It is designed to meet the requirements of most on-line data collection applications and is ideal in Work In Process, time and attendance and general data collection solutions that require simple data processing.

Flexible operation

In addition to the variety of input devices supported, the terminal can operate online or in batch mode for future transfer of collected data to the host computer.

Its built-in transaction management allows the user to define prompting, field names, length, type, and several attributes to customize their application. This is easily configured through bar code menus or software utilities running at the host. Time and date stamping is provided by the unit's built-in real time clock.

The 2 x 16 characters backlit Liquid Crystal Display (LCD) and an audio buzzer provide feedback and prompting to the operator.

A lithium battery powered CMOS SRAM ensures data retention and a power-on test and integrated diagnostics deliver superior reliability.

Extended functionality is obtained from a TTL output signal, which is used to trigger external devices, including door strikes and status lights.

The MR320 can be placed on a desktop or mounted on a workbench or wall to facilitate access.

Available accessories:

- Bar code slot reader (Visible/Infrared).

- Single-track magnetic stripe reader (track 1,2 and 3).

- Bar code scanner (CCD, wand, laser scanner and ID badge reader).

- Work bench / wall mount kit.

- T-junction box.

- RS232 to RS485/422 converter.

- External Ethernet adapter.

- AT compatible keyboard.

- Numeric key pad.

- POS keyboard.

Online Terminals

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Connectivity

Communication with the host computer is established through a serial port. The user can select between a point-to-point connection via the RS232 connector, and a multi-point network of up to 32 units, via the RS485/422 connector. The MR320 automatically detects the port at boot time. Using serial multi-port boards, a host can connect a multi-point network of up to 256 terminals.

Input devices

The MR320 incorporates a decoder capable of reading all commonly used bar code symbologies, including Code 39, Interleave 2 of 5, Standard 2 of 5, Code 93, Code 128, Code 11, MSI, Codabar, EAN-8/11 and UPC-A/E.

The front port of the terminal accepts a PC AT compatible keyboard, numeric keypad, magnetic stripe reader, and bar code wand or slot reader. Furthermore, an additional port located in the back panel can connect to a wand, CCD, laser scanner or bar code slot reader.

SPECIFICATIONS	
GENERAL:	
CPU	8-bit 24 MHz embedded microprocessor
User RAM	32KB CMOS SRAM
System ROM	32KB
Display	2 X 16 backlit Liquid Crystal Display
Buzzer	Adjustable volume
ELECTRICAL:	
Operating voltage	+5V
Input voltage	+9V to +12V DC
Operating current	300mA (input devices not included)
Lithium Battery	2 months data retention (minimum)
DECODER:	
Scanner Port	Supports Wand, CCD, laser diode scanner and bar code slot reader,
Symbologies	Code 39, Interleaved 2 of 5, Code 93, MSI, Code11, Codabar, EAN-8/11, UPC-A/E,
ENVIRONMENTAL / MECHANICAL:	
Temperature	Operating: 32° to 122°F (0° to 50°C) Storage: -4° to 158°F (-20° to 70°C)
Humidity	0% to 95% relative humidity (non-condensing)
Dimensions	6.3 x 5.28 x 1.57" (160 x 34 x 40 mm) LxWxH
Weight	11.71oz approx. (332 g)
CONNECTORS:	
Bar code scanner	Dsub 9-pin male (Squeeze & Release type)
Keyboard port	Din 5 (180°) female
RS232	RJ11