

510 PROGRAMMABLE DATA TERMINAL

Diversified
Efficient
Efficient



Changeable Mounting Style

Wall Mount

Desk Top Mount



510 with Built-in BSR/MSR



510 with Proximity Reader



- Ideal for time & attendance, production monitoring, loyalty card applications
- Multiple Readers
- Network up to 99 units*

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Specifications

Electrical

Voltage	12V +/- 5% DC
Power Consumption	200mA maximum with LCD back light off and no external devices attached

Environmental

Temperature	0°C ~50°C (operating) -20°~70°C (storage)
Humidity	20%~90% non-condensing (operating) 10%~95% non-condensing (storage)

Physical

Weight	1Kg maximum including all batteries
Housing	ABS plastic
Color	Grey
Dimensions	260 x 124 x 98mm (L x W x H)

Indicator

Buzzer	4 selectable volumes
Power LED	Red
Good Read LED	Green
Battery Low LED	Yellow
Function LEDs	Red x 4
LCD display	20 x 2 characters LCD display with tunable LED back-light and adjustable viewing angle

Memory

Program Memory	128 KB flash memory
Data Memory	128 KB to 512 KB SRAM on an 128 KB base, with 36V NiCd rechargeable battery backup
System Clock	16 bit CPU running at 9.8304 MHz

Safety & Regulatory Approvals FCC class-A, CE, C-tick

Input Device

Built-in Reader	An optional Barcode Slot Reader, up to dual track Magnetic Stripe Reader or Proximity Reader can be included.
Scanner Port (BCR)	Can be used to attach Barcode Slot, Wand, CCD or Laser. Any TTL output device.
Built-in Keypad	Membrane keyboard with 16 keys including 4 function keys
Keyboard Port (KBD)	PC/AT compatible keyboard can be attached for data entry or any keyboard wedge interface device.
Symbology Supported	Code 39/Full ASCII, Codabar, Italy Pharma Code, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, Code 93, Code 128, EAN 128, MSI, EAN 8 & 13, UPCA & E, Plessey

Battery

Operation Battery	8.4V, 1400mAh NiCd battery for operation backup
Operation Battery Control	The battery voltage can be monitored. An on-board self-shutdown circuit is included to prevent over-discharge of battery.
Backup Battery	3.6V, 60mAh NiCd battery for memory and calendar backup

Calendar Fine-tunable calendar chip with battery backup

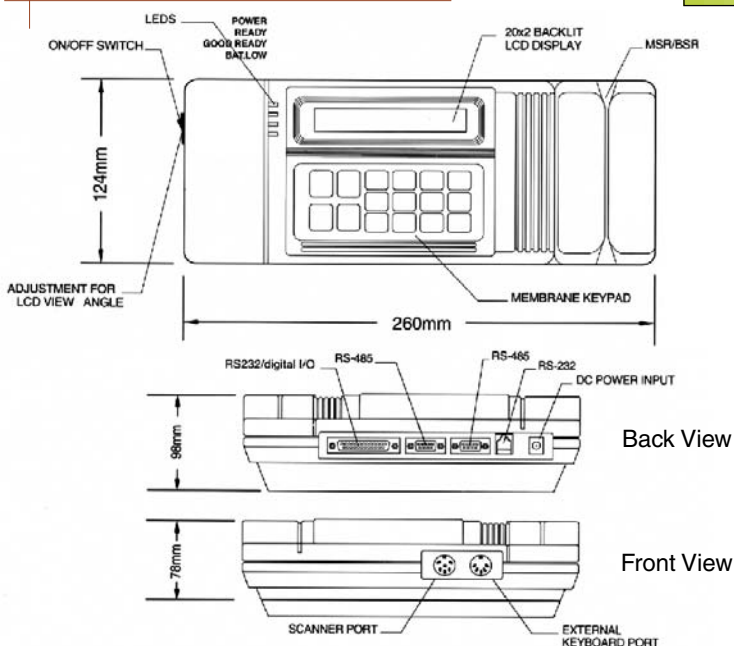
Digital Input/Output

Types of Input	2 photo-isolated digital inputs can be used to monitor external devices.
Types of Output	2 photo-isolated digital outputs can be used to control external devices such as alarm, door lock and so on.

Communication Ports

RS-485	Multi-drop communication at 76.8 kbps, up to 32 stations can be connected together without repeaters. Using repeaters, up to 99 stations.
RS-232	2 X RS-232 ports are equipped for host computer communication and/or external connection such as printer.

Dimensions & Configuration



Networking Architecture

