

520 PROGRAMMABLE DATA TERMINAL

Rugged
Reliable
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Reliable



520 with Built-in BSR / MSR



520 Standard Version



Wall-Mount Bracket



- Powerful Networking: RS232, RS485, Ethernet
- Programmable in C and Basic
- Big Graphic Display and Back Lit Rubber Keys
- Flexible Digital I/O
- Ideal for time & attendance, production monitoring.

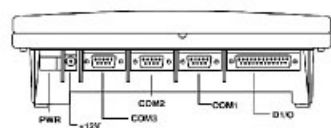
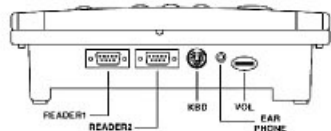
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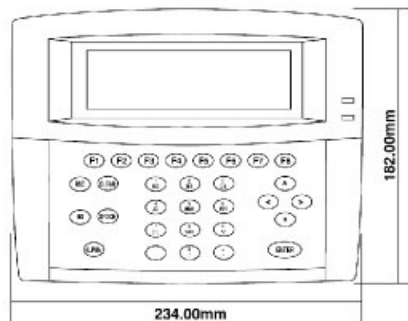
Specifications

Electrical	Voltage	12V +/- 5% DC
	Power Consumption	0.5W maximum with LCD back light off and no external devices attached
Environmental	Temperature	0°C~50°C (operating) / -20°C~70°C (storage)
	Humidity	20%~90% non-condensing (operating) / 10%~95% non-condensing (storage)
	Environment	Dust-proof
Physical	Weight	1Kg maximum including all batteries
	Housing	ABS plastic
	Color	Dark-Gray
	Dimensions	234mm x 182mm x 65mm (L x W x H) (including battery holder)
Indicator	Buzzer	External Volume Control
	External Speaker/Ear-phone	Popular 8Ω type ear-phone and amplifier can be attached.
	LCD display	Support 128 X 64 or 240 X 64 STN type graphic LCD display with LED back-lit
	LED	2 LEDs
Memory	Program Memory	512 KB flash memory
	Data Memory	128 KB on-board, Optional memory card from 512 KB to 2 MB available.
	System Clock	16 bit CPU running at 14.7456MHz
Input Device	Built-in Slot Type Reader	An optional Barcode Slot Reader or Magnetic Stripe Reader can be Included.
	Reader Ports	2 reader ports available, each can be used to attach Barcode Slot, Wand, Laser or up to dual track Magnetic Stripe Readers.
	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
	Built-in Keypad	Rubber keyboard with 30 keys including 8 function keys
	External Keyboard	PS/2 Type through mini-Din connector
Battery	Operation Battery	Up to 2 mobile phone battery pack, optional 1.2V X 6, 1200 or 1800mAh rechargeable NiMH 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 NiMH battery for Memory and calendar backup
Calendar		Fine-tunable calendar chip with battery back-up
Digital Input/Output	Input /Output	Up to 4 digital inputs & 4 digital outputs are available.
Input/Output	Types of Input	CMOS level or photo-coupler can be used to monitor external devices.
	Types of Output	CMOS level, Open-collector or Relay output can be used to control external devices such as alarm, door lock switches etc.
Communication Ports		COM1 and COM2 are configurable for RS232/RS485(half and full duplex) /20mA current loop, COM3 is Fixed to RS232
	Optional Cards	on-board TCP / IP cards
Safety & Regulatory Approvals		FCC class-A, CE, C-tick

Configuration



Dimensions



Networking Architecture

