

SY-7000



Terminal Features

- Next-generation hardware supporting the latest technology protocols
- Optional biometric fingerprint reader
- Customizable key-pad with twelve function keys for programming to collect up to six levels of data
- Plug and Punch™ technology enables automatic set-up and configuration

Device Design Features

- Linux OS – open architecture
- Remote Configuration & Management
- Wireless Support – WEP & LEAP
- Memory Expansion (Compact Flash)
- Multi-Port USB Input/Output

Applications

- Time & Attendance
- Transportation & Logistics
- Payroll
- Work in Process
- Access Control
- Labor Management
- Production Management



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SY-7000

General			
Model	SY 7100	SY 7200	SY 7500
Processor	MPC885	MPC885	MPC885
SDRAM	8 MB	8 MB	64 MB*
Flash Memory	8 MB	16 MB	64 MB*
Additional memory option (up to 4GB)	✗		✓
Power over Ethernet (optional)	✓	✓	✓
Plug and Punch capability	✓	✓	✓
Two PCMCIA slots	✗	✓	✓
Audible accept/reject tones	✓	✓	✓
Visual accept/reject/error lights	✓	✓	✓
USB Ports (host or device)	✗	✓	✓
Supports an additional external LCD display	✗	✗	✓
Real-time and offline operation	✓	✓	✓
Customizable overlay option	✓	✓	✓
Internal lithium clock battery (10 year life)	✓	✓	✓
Operational battery backup	3 hours	3 hours	1 hour
On-screen QWERTY keyboard	✗	✗	✓
Elastomer Keypad (with Duracoat Finish)	✓	✓	✓
Display			
4x20 Backlit LCD Text	✓	✓	✗
480x800 Graphical Color LCD Touch Screen	✗	✗	✓
Communications			
Ethernet 10/100 Base-T (RJ-45)	✓	✓	✓
RS-232 connection (DB9)	✓	✓	✓
RS-485 connection (RJ-12 4 wire full duplex)	✓	✓	✓
Optional Modem (1200 – 28.8kb)	✓	✓	✓
Optional Wireless (802.11b)	✗	✓	✓
Wiegand (1-Output, 2-Input)	✗	✓	✓
Employee Identification Options			
Keypad (numeric + 12 function + directional keys)	✓	✓	✓
Magnetic (Track 1, 2 or 3, low or high coercivity)	✓	✓	✓
Barcode (decodes most 1D barcodes with auto discriminate capabilities)	✗	✓	✓
Proximity	✓	✓	✓
Fingerprint (1:n identification or 1:1 verification)	✓	✓	✓
Support For External Devices			
Barcode Wand/Gun (USB)	✗	✓	✓
QWERTY Keyboard (USB)	✗	✓	✓
Printer (USB)	✗	✓	✓
Reader with Wiegand Output	✗	✓	✓
Relay – Bell & Access Control (solid state optoisolated)	✗	✓	✓

*Expandable up to 128 MB

*Expandable up to 256 MB

SY-7000 Series

SY-7000 is an Open architecture terminal, with an MPC885 processor, which enables the user to create their own settings and uses for the terminal. The unit's capabilities are user-created with Linux open source platform. The terminal has a memory to protect from loss of data in case of a power failure, and is optionally equipped with POE.

Physical Characteristics

Height: 24 cm (9.53 in)

with wall mount - 25.19 cm (9.92 in)

Width: Top - 26.6 cm (10.5 in)

Bottom - 23.52 cm (9.26 in)

with magnetic reader - 30.8 cm (12.16 in)

Depth with wall mount: 12.5 cm (4.92 in)

Weight: 2.650 kg

Power Requirements:

DC Power Input (@ J15):

15 VDC nominal; -1% - +7% (1)

power options:

1.) 0.25 - 1.5 A @ 15 VDC (2)

2.) 3.75 - 22.5 Watts (2)

Operating System

- Embedded Linux
- Open Source
- Stable and reliable OS
- Supports standard advanced communication methods (TCP/IP, HTTP, FTP)
- Easy to write your own applications
- Well developed API to interface with all unique hardware devices



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