

# SY-7000 Terminal Series

Advanced  
technology  
with flexible  
choices



The SY-7000 series data collection terminal is introduced by Synel as a top of the line data collection terminal. The terminal has almost unlimited capabilities when partnered with Synel's additional time and attendance software and hardware products. By using one or more of several different input methods, the SY-7000 series terminal records the time, date, employee number, and other collected data to be processed by a host computer. The SY-7000 series data terminal has the capability to accommodate auxiliary inputs and outputs used to control a wide variety of systems ranging from door access control to bells and alarms.

Due to its Open Source Linux OS, the SY-7000 series can be used as an external platform for programming, which makes it the ideal terminal for software houses, that can freely and easily tailor applications in to their own specific needs.

- **Embedded Linux**
- **Open Source enable easy customization**
- **Easily write your own application**
- **Well developed API to interface to all unique hardware devices**
- **Optional biometric fingerprint reader quickly identifies employees and eliminates buddy punching**
- **Customizable keypad has twelve function keys that can be programmed to collect up to six levels of data**
- **Plug and Punch™ technology enables automatic set up and configuration of the SY-7000 terminal**
- **Support for latest network protocols**



# SY-7000 Terminal Series



## 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 expansion of up to 4GB with Flash memory to protect from loss of data in case of a power failure, and is optionally equipped with POE.

## Physical Characteristics

- Dimensions:  
Height: 24 cm (9.53")  
W/wall mount-25.19 cm (9.92")  
Width: Top-26.6 cm (10.5")  
Bottom-23.52 cm (9.26")  
With mag. reader-30.8 cm (12.16")  
Depth w/wall mount: 12.5 cm (4.92")  
Weight: 2.650 kg
- Power Requirements:  
DC Power Input (@ J15):  
1. 0.25 - 1.5 A @ 15 VDC (2)  
2. 3.75 - 22.5 Watts (2)

## Operating System

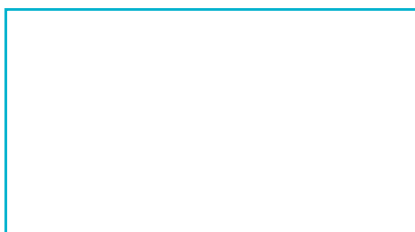
- Embedded Linux
- Open Source
- Stable and reliable OS
- Supports standard advanced communication methods (TCP/IP, HTTP, FTP)
- Easy to write your own applications
- Well developed API to interface with all unique hardware devices

## SY-7000 Series Features Comparison

Model	SY-7100	SY-7200	SY-7500
Processor	MPC885	MPC885	MPC885
SDRAM	8MB	8MB	16MB
Flash Memory	16MB	16MB	16MB
Additional memory option (up to 4GB)	X	✓	✓
Plug and Punch capability	✓	✓	✓
Two PCMCIA slots	X	✓	✓
Audible accept/reject tones	✓	✓	✓
Visual accept/reject/error lights	✓	✓	✓
USB Ports (host or device)	X	✓	✓
Supports an additional external LCD display	X	X	✓
Real-time and offline operation	✓	✓	✓
Customizable overlay option	✓	✓	✓
Internal lithium clock battery (10 year life)	✓	✓	✓
On-screen QWERTY keyboard	X	X	✓
<b>Display</b>			
4x20 Backlit LCD Text (6.5")	✓	✓	✓
480X800 graphical colorLCD touch screen	X	X	✓
<b>Communications</b>			
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)	X	✓	✓
Optional POE	✓	✓	✓
Wiegand (1-Output, 2-Input)	X	✓	✓
<b>Employee Identification Options</b>			
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)	X	✓	✓
Proximity	✓	✓	✓
Fingerprint (1:n identification or 1:1 verification)	✓	✓	✓
<b>Support For External Devices</b>			
Barcode Wand/Gun (USB)	X	✓	✓
QWERTY Keyboard (USB)	X	✓	✓
Printer (USB)	X	✓	✓
Reader with Wiegand Output	X	✓	✓
Relay - Bell & Access Control (solid state optoisolated)	X	✓	✓



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The technical data sheet packed with the product is the  
only obligatory source of technical information

