

Time Prox & Time Smart



Time Recording Terminals

The Time Prox & Time Smart Card Readers are designed and constructed to provide a wide variety of configuration options. The attractive poly car bonate, all-weather housing can accommodate Proximity or Smart card technologies. The universal design lets you mix and match different technologies on the same system, while simultaneously maintaining a consistent appearance.



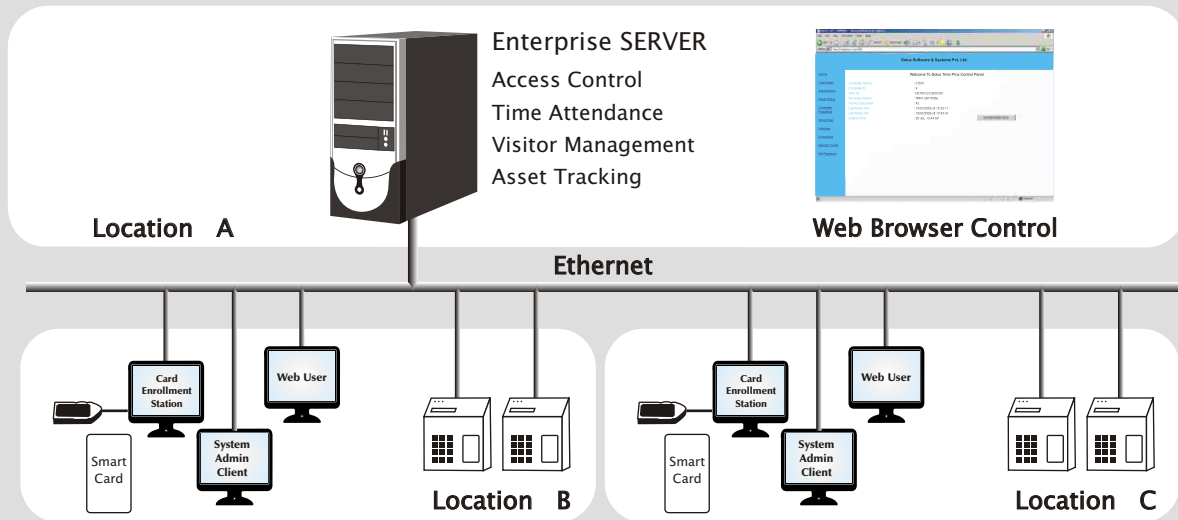
Solus Attendance Management System – SAMS™ uses Time Prox or Time Smart terminals depending upon the tasks. All terminals are operated. Online with an Ethernet or RS 422 connection to guarantee the most current data transmission and data processing in SAMS™ or in a superior ERP system. If the server is not available for data communication, the terminals automatically switch to Offline mode. The terminals save all entries and transmit them when the server is available again

Imagine an international enterprise with subsidiaries and branch offices all over the world. Find out how the individual staff requirements can be solved using Time Prox or Time Smart terminals with a Solus Enterprise Solution SAMS™

“Time Recording is the basis for flexible working time management”



System Architecture



Features & Benefits

General

- Entry-level system with excellent Price-performance ratio. Operates in Standalone or Network configurations.
- Standard 4,000 card holder records memory expandable up to 2,50,000.
- Data retention in case of power failure using Flash Memory.

Packaging & Appearance

- Rugged design, Vandal Resistant polycarbonate casing suitable for interior or exterior environment.
- No External Wiring connection..
- State-of-the-art wedge-shaped design and backlit display for easy reading of time and information.
- Universal packaging accommodates Proximity or Smart card technologies.
- Elegant look, fits into Standard ROMA® Electrical fittings Matches aesthetics, available in many colours & designs.

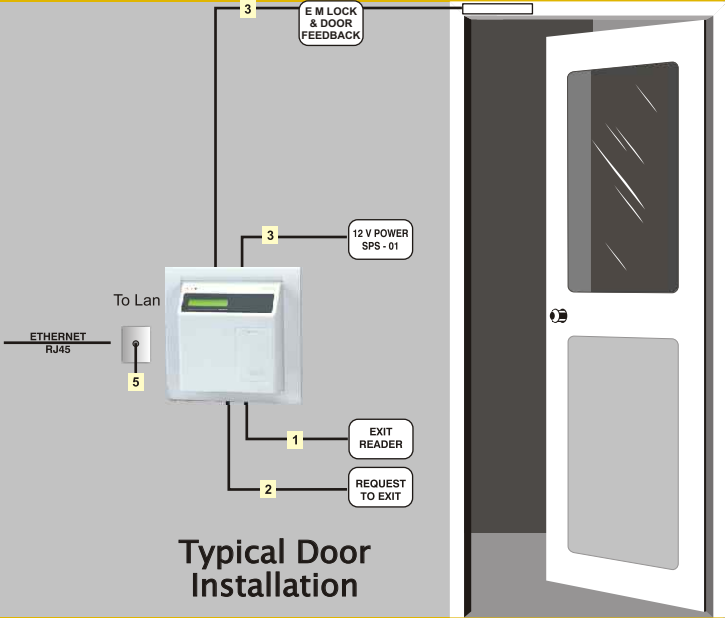
Operations

- Simple operations through colored function LEDs, Three high-intensity LEDs, (red, amber, and green) indicate system conditions.
- Keypad and backlit LCD display can be combined with all reader technologies Smart Card Read only or Read / Write options.
- Proximity & Smart Card HID® Class /Mifare options
- Full Function Battery Back up Option (External)

Communication

- RS 232/422 / TCP/IP / Modern / Wireless (Wifi) Connectivity options.

System Description



Typical Door Installation

Cabling Information

Cable#	Description	Cable	Max. Distance
1	TP/TS to EX.RDR	22AWG 7 Core Shielded	150 mtr.
2	TP/TS to REX	18 AWG 4 Core Shielded	150 mtr.
3	TP/TS to LOCK	18 AWG 4 Core Shielded	150 mtr.
4	TP/TS to TP/TS	24 AWG 4 Core Shielded	1200 mtr.
5	TP/TS to LAN	CAT 5/CAT 6	100 mtr.

In / Out Punches

The capture of IN and OUT punches is the core of attendance time recording. Time Prox & Time Smart Time recording terminals do change mode automatically at specified time to capture IN or OUT data of the shift. In case of multiple shifts environment dedicated IN & OUT terminals provided. Employees / Staff members use Proximity or Smart Cards to record In/Out times. Proximity or smart card is a contact-free identification medium that allows for the checking, storage, and transmission of data. The individual punch time are checked, saved, and transmitted as condensed information and then analyzed and processed. The employee receives up-to-date info such as flextime or overtime. This goes for the head office as well as for the subsidiaries and branch offices. In this way, work-time models and the payment basis for employees can be created.

Data Communication

New developments in Enterprise Data Collection require integration and adaptation with new and existing IT infrastructures. At Solus, we make this transition easy. We ensure that all data is securely recorded, transmitted and processed. We provide comprehensive communication solutions for the integration of our terminals. We ensure functional reliability under different operating systems, connection with all current computer systems, and integration into networks.

These powerful communication programs are Solus Datacoms. They establish the ideal connection of terminals within a particular system, whether an Ethernet, RS 232 / 422, or dial-up connection is used. The communication program needed for this targeted solution is integrated into the application software. This guarantees a smooth data exchange between the collection device and the processing system. The Solus Datacoms spectrum of solutions for the different operating systems includes Windows, UNIX, Linux, and OS/400. Special communication programs for leading ERP applications such as SAP complement our product range.

The Scalability

Time doesn't stop. Therefore a time management solution must be incorporated with Access Control and Production Data Collection application for a company-wide all-in-one solution. Each application can be run individually. Depending on an enterprise's requirements, the applications may have to be implemented separately. This process is enabled by the operation of different terminals in a corporate system. This compatibility Enables a trans sectoral utilization of common data, e.g. common master data and functionalities for Access Control & other functions.

Ordering Information

Specifications

	TP/TS
• Card Holders	4,000
• Transactions	10,000
• Inputs	2
• Outputs	2
• Memory	512 KB
• Flash	512 KB
• Processor	RISC

Reader Support

- Proximity
- Smart Card – Mi Fare / i Class

Optional Protocol Support (IP Series)
DHCP, SNMP

Dimensions

- Height : 170mm
- Width : 160mm
- Depth : 55mm

Environmental

- Maximum: 65° C (150° F)
- Minimum: 0° C (32° F)
- Humidity: 0 to 95% relative

Power

- 12 VDC 4 amp external power supply
Battery backup 12 VDC (battery pack option)

Part Number	Product Description
TP – IPE	Time Prox unit with TCP/IP – EM
TP – IPH	Time Prox unit with TCP/IP – HID Prox
TS – IPM	Time Smart Card Read only with TCP/IP Mifare
TS – IPH	Time Smart Card Read only with TCP/IP iClass

Accessories

SDC-01	RS-232 to RS-422 converter
SPS-01	12V, 4Amp Power Supply
SPP-01	12V, 4Amp battery back-up power supply

Note

- All the Models work on external 12V Power supply
- For Battery backup (up to 8 hrs without look) order SPP 01
- Batteries are not part of standard supply



Solus Security Systems Pvt. Ltd.

307, Shivam Chambers, Next to Sahara,
S. V. Road, Goregaon (W) Mumbai 400104
Tel: +91 22 6769 6666 Fax: +91 22 6769 6699
Email: sales@solus.co.in www.solus.co.in