

Terminal XMP-TMC2503-SG

The terminals of the series TMC2500 convince because it is user friendly and the service is very small. The beautiful, small and ergonomic designed casing fits excellent in every kind of building architecture. The terminals are integrated into an already existing Ethernet network with a internal interface.

Functions

- standalone feature
- Directly connectable to ethernet network
- Fluoreszentdisplay 2x20 digits
- Door opening relays individual configuration (potential free or potential affected)
- PIN Code download
- Download of 14digit badges numbers
- Download of 256 access profiles

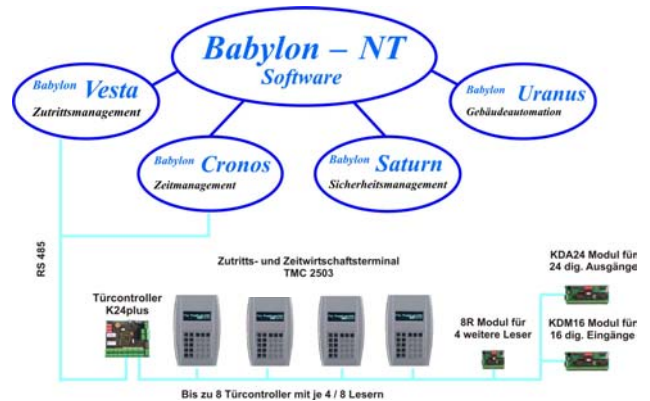


security , time recording

Technical data

- **Memory** : 1024 kB EPROM
- 128/512 kB battery buffered CMOS-RAM
- **Power supply** : 11-24 V AC/DC from XMP-K24
- **Processor**: NEC 70320 (V25) 16 Bit word width; 7,4 MHz clock frequency; CMOS-Design
- **Battery**: Lithium battery 3,0 V; type Varta CR-1/3N , Supply of memory and clock for min. 6 month
- **Interfaces**:
1x RS485 2400-19200 Baud asynchronous
- **Output**:
1 relay output, potential free or 12V / 0,6A max.
- **Surrounding conditions**:
ca. 0..50 °C (without heating)
ca. -20..50 °C (with heating)
- **Dimensions (wxhxd)**: 73x213x58 mm
- **Color**: silver
- **Weight**: Approx. 1,5 kg

System topology



Legend

XMP-K24plus: Door controller unit with RS485 interface. Each XMP-K24 it is possible to connect 8 access and time recording terminals.

Order No:

XMP-TMC2503-SG
Time and attendance terminal with keyboard and VFD-Display

Highlights:

- **Fluoreszent Display** 2 x 20 digits
- **Memory sizes**
128 or 512 kB
- **Door supervising inputs** by using Optokoppler.
- **Door opening relays** individual configuration (potential affected or potential free).
- **Power supply of the door opener** optional by using a built-in power supply.
- **End resistance** for low interrupted data transmission, integrated in the reader and individual configuration possible.
- **Reader addresses** adjustable by dipswitch, the address stays the same after a cold start.
- **Status display** of the contact inputs like door frame contact, door handle contact, locking contact and passing trough contact with LED's.
- **Status display** for the situation of the door opening relay with LED.
- **Ethernet interface** integrated
- **It is possible to download the firmware.**
- **Pass trough control**
- **Protection switch** for the data transmission against interruptions (excess voltage).
- **Sabotage contact** integrated into the reader, because of that there is no additional door control input necessary.
- **Sensor contact or door handle contact** free chosable.
- **Relay times** separated for booking control and sensor control programmable.
- **Correction button** also supported during the PIN code input.
- **Download** of badges with 14 digits in the terminal possible.
- **Download** of a 5+1 digit or 6+1 digit PIN-code possible.
- **Download** of 256 time profiles.
- **Booking memory** during the offline Offlinefall with variable length and because of that completely able for the time recording and the time management.
- **Badges numbers** from different places on every badges readable.
- Casing in different **colours** available.
- **Biometric systems** integrateable

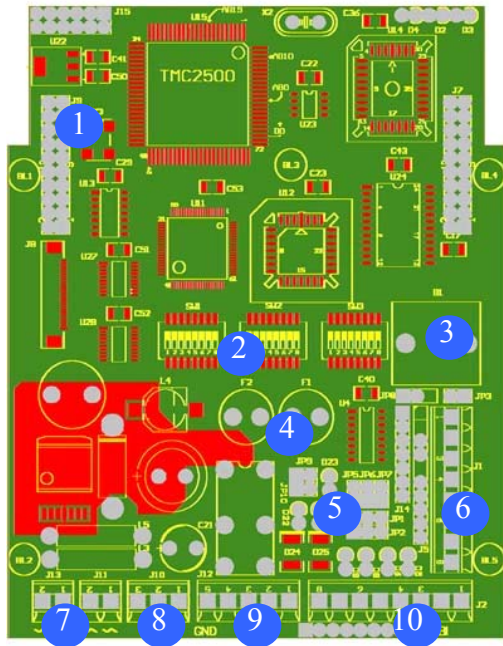
Variants



The reader is available with the following reader heads.

- Deister reader head (contactless)
- Hitag
- Mifare
- Legic

Babylon Vesta
Zutrittsmanagement
Access control

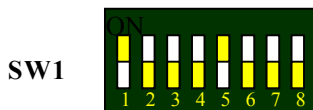
Babylon Cronos
Zeitmanagement
Time and attendance



1. Ethernet - interface
2. Dipswitch block SW1 to SW3
3. Lithium battery
Battery activated 
Battery not activate 
4. Fuse M2A/250V
5. Jumper block JP1 to JP7
JP1 = reader head pull up /pull down
JP2 = reader head pull up / pull down
JP5 = reader interface (open = 2wire)
JP6 = reader interface (open = 2wire)
JP7 = reader interface end resistance
6. Interface reader head
7. Power supply 12-24V AC/DC
8. Relay output
9. RS485 interface
10. Optokoppler inputs

Dipswitch blocks SW1 to SW3

1. Adjusting the reader address connected via RS485 bus



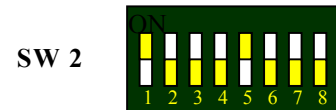
SW1 : switch 1 to 5

Datei: N:\DATENBL_EITMC2503-SGE.doc
Version: 1.0

| Switcher | 1 | 2 | 3 | 4 | 5 |
|-----------|-----------|-----------|-----|-----|-----|
| Address 0 | off | off | off | off | off |
| Address 1 | on | off | off | off | off |
| Address 2 | off | on | off | off | off |
| Address 3 | on | on | off | off | off |

Addresses adjustable up to **reader address 15**

3. Special functions switch block SW 2



SW2 : switch 5 and 6

Adjusting the Baudrate between the master system for connection by using the RS485 Bus (2400 to 19200).

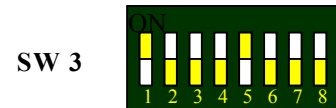
SW2 : switch 7

Chooseable switch RS485 / Ethernet communication.
OFF = RS485 , ON = Ethernet

SW2 : switch 8

Chooseable switch firmware update
ON = new download possible

4. Switch block SW 3



SW3 : switch 1 to 5

Adjusting the reader head
Switch position is adjusted depending the mounted readerhead.

SW3 : switch 6 and 7

Reserved

SW3 : switch 8

ON = make a cold start
After the cold start the default dataset (factory instructions) is loaded automatically.
Free defined and downloaded parameters are deleted.