

Access terminal MIFARE

Fields of application

- Access control
- Time recording
- Time and attendance
- Door management
- Parking systems
- Elevator control

Functions

- contactless reading method (Mifare and Mifare-Light)
- reading distance: up to 7 cm
- standard casing for concealed mounting
- easy installation by means of Phoenix connectors
- connection possibility of up to 8 readers (standard 4 readers) at the door control unit **XMP-K24^{plus}** via UCI protocol
- data clock interface
- connectable together with readers of the TMC2500 series at the same **XMP-K24^{plus}**
- sabotage contact
- signaler:
 - 3 x LED`s (red, green, yellow)
 - 1 x buzzer
- electronic weatherproofed
- address adjustable via dip switches
- optionally with PIN-CODE keyboard (XMP-TMC460N)

Technical data

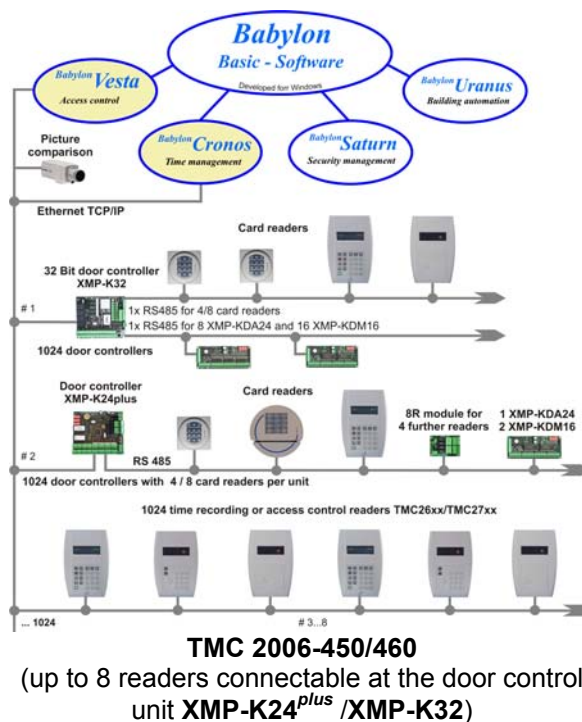
- **color** : white / black / grey
- **dimensions (HxLxW)**: 80 x 80 x 25 mm
- **protection**: IP 54
- **supply voltage**: 12-24 V (AC / DC)
- **current consumption**: approx. 200 mA
- **environmental conditons**: from -20°C to +70°C (operation and storage)
- **interfaces**: RS 485 (2 wire) clock data (Omron Emulation)
- **processor**: Mitsubishi M16C 16 Bit; 8 MHz; CMOS-Design
- **program memory**: flash memory 256kB
- **RAM**: 20 kB CMOS RAM

protecting, managing, booking



XMP-TMC-450N

XMP-TMC-460N



Legend

XMP-K24^{plus}: intelligent door control unit with RS485 interface. Up to 8 access control terminals connectable. The **XMP-K24^{plus}** is equipped with 8 digital outputs and 16 digital inputs.

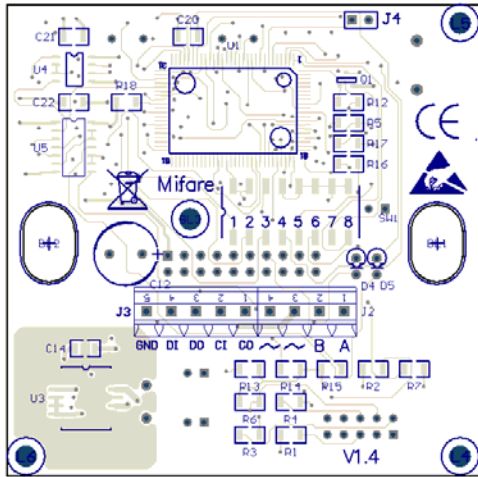
XMP-K32: intelligent door control unit with RS485 and 10/100Mbit LAN interface. 266MHz processor with Linux embedded operating system.

100.000 access levels, **500.000** master data (extendable on **2.000.000**). Up to **500.000** bookings can be stored. Up to 8 access terminals are connectable.

Order number:

XMP-TMC450N with PIN code keyboard

XMP-TMC460N without PIN code keyboard

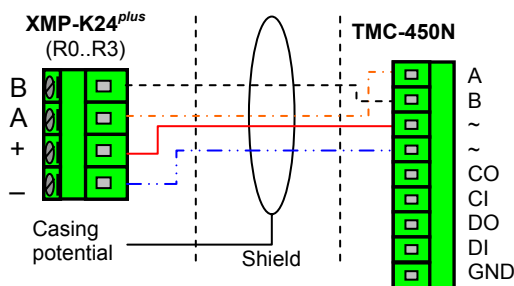


Backside of the reader

Terminal assignment for the XMP-TMC-450N/ 460N

TMC 450N TMC 460N (J1)	XMP-K24 (R1..R4)	Description
A	A	Reader interface
B	B	Reader interface
~	~	Supply voltage
~	~	Supply voltage
CO		Clock
CI		Reserved
DO		Data
DI		Reserved
GND		GND for equipotential bonding (option)

Scheme for the connection of the reader at the **XMP-K24^{plus}**



Hints for wiring:

The power supply can be provided central by the **XMP-K24^{plus}** (recommendation). One has to consider the following distances:

distance	cable type
up to 200 m	2x2x0.8 (shielded)

Adjustment of the reader address

The reader address must be adjusted at the dip switch as follows:

Switch 1	Switch 2	Switch 3	Address
Off	Off	Off	0
On	Off	Off	1
Off	On	Off	2
On	On	Off	3
Off	Off	On	4
On	Off	On	5
Off	On	On	6
On	On	On	7

Extra combinations

Switch 1-4 = ON [= OMRON mode, activation of the data-clock interface]

Hints to the reading distance

In dependence on the environment conditions and types of data carrier the reading distance is up to 70 mm.

Metal particles within the distance of 120 mm to the reader can reduce the reading distance.

Recommended badge types: manufacturers Printoplast, Lorenz, ACG

Meaning of the LEDs

- yellow: in operation
- red: not authorized
- green: authorized

K24-Definition

In the **K24-Definition** on page 5 the protocol 0 (UCI) and on page 6 item 0 (Omron magnetic stripe 5 bit) must be adjusted.

Dimensions in mm

