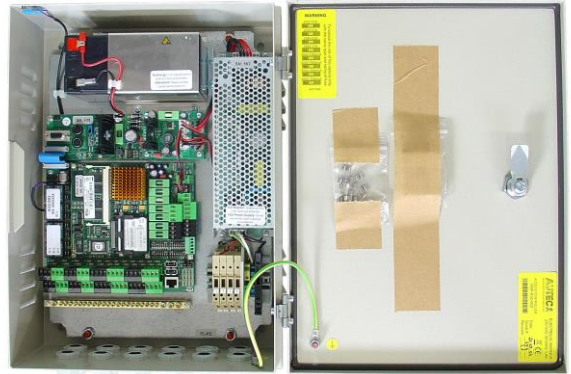


Technical data sheet XMP-K32 Door Controller

Multi-purpose high-end controller for access control systems

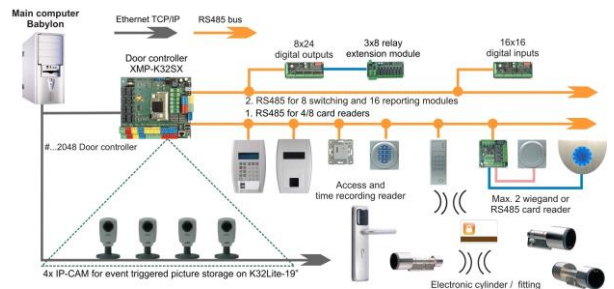
Main Features

- Offline memory up to 500.000 badges, 100.000 access profiles and 500.000 bookings storable (expandable on demand)
- Several different reader protocols
- Up to 8 readers connectable (XMP-K32-050)
- Up to 4 IP network cameras connectable for event-triggered picture storage
- 16 analog inputs
- 8 digital outputs voltage or floating (relay 2 A max.12 V/DC or 1 A max. 24 V/AC)
- Connection of e.g. 16 x XMP-KDM-016 and 8 x XMP-KDA-024 (up to 304 inputs and 232 outputs)
- Inputs monitored for short circuit and interruption
- Real-time Linux operating system
- Downloadable operating system and applications
- Blowfish and AES 256Bit encryption
- Elevator control for up to 192 floors
- Graphical programming with VIPS and classical programming language for application programs (64 routines)
- Up to 2048 door controllers connectable
- Multi-Host function
- Integrated UPS



XMP-K32

System architecture



Technical Data

Electrical:

- AMD® Geode™ LX800 500 MHz
- 512 MB RAM
- 512 MB compact flash card
- 10/100 MBit Ethernet-Interface
- Power input: 110 - 240 Volt AC 50 Hz
- Power input circuit board: 10-30 Volt DC
- Consumption: 100 Watt maximum load
 - 12V (Board): 6 Watt idle
 - 24V (Board): 6,3 Watt idle
 - NT12V (230V): 32 Watt idle
 - NT24V (230V): 34 Watt idle
- 2 x RS-485, 2 x USB 2.0
- Connect up to 4 reader terminals (power supply and communication)
- Connection of e.g.16 x XMP-KDM-016 and 8 x XMP-KDA-024 expansion modules to separate RS485 interface
- 16 supervised inputs with the states off, on, short circuit and interruption (0 .3)
- 8 digital outputs (relay 2 A max.12 V/DC or 1 A max. 24 V/AC)
- Lithium battery (supply of real-time clock during power outage for about 6 months)

Environmental:

- Ambient temperature:
 - Operating: 0° - 50° C, +32° - 122° F
 - Storage: -10° - 70° C, 14° - 158° F
- Relative humidity: 5- 90 %
- Protection class: IP54



Mechanical:

- Color: Beige
- Dimensions aluminum housing (XMP-K32-000/002):
 - W x H x D = 305x405x125 mm

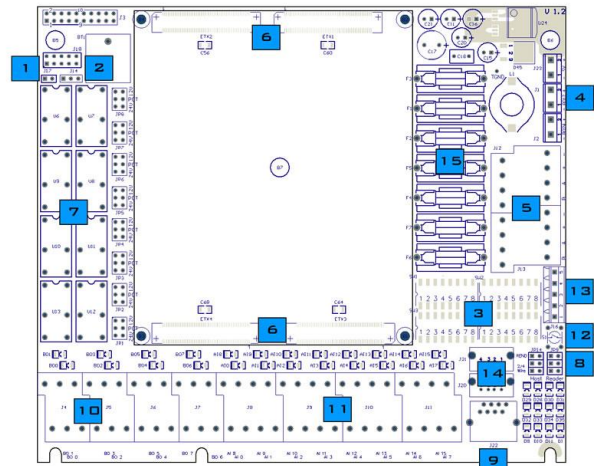
Status LEDs

- AI0 – AI15 = Supervised inputs
Off, On, fault open, fault close
- BO0 – BO7 = Relais-Outputs
- D1 = Read / write access to CF-card
- D9 = 10/100 MBit supervision (ON=100Mbit)
- D10, D11 = Ethernet Interface
- D28, D29 = COM2 communication
- D30, D31 = Reader interface COM1
- D32 = Board supervision
- D35 = Reset button pushed

Main board elements

1. Tamper contact and battery jumper
2. Lithium-Battery:
Battery activated J14 
Battery deactivated J14 
3. DIP switch SW1 to SW4
4. Power supply:
J23 (SV) = Main Power (12-24VDC)
J1 (BO12) = BO-Power 1
J2 (BO24) = BO-Power 2
5. Reader clamps
6. Connector CPU
7. Relays for digital outputs (BOs)
8. Jumper RS485-Interface:
JP9: Reader-Interface
JP14: KDA24/KDM16 Interface
REND = terminal resistor
2/4 Wire = open 4 wire
2/4 Wire = short 2 wire
9. RJ45 Ethernet connector (10/100 MBit)
10. Connector BO
11. Connector BI / AI
12. Reset button
13. COM2 connector
14. USB 2.0 interface (not supported!)
15. Fuses

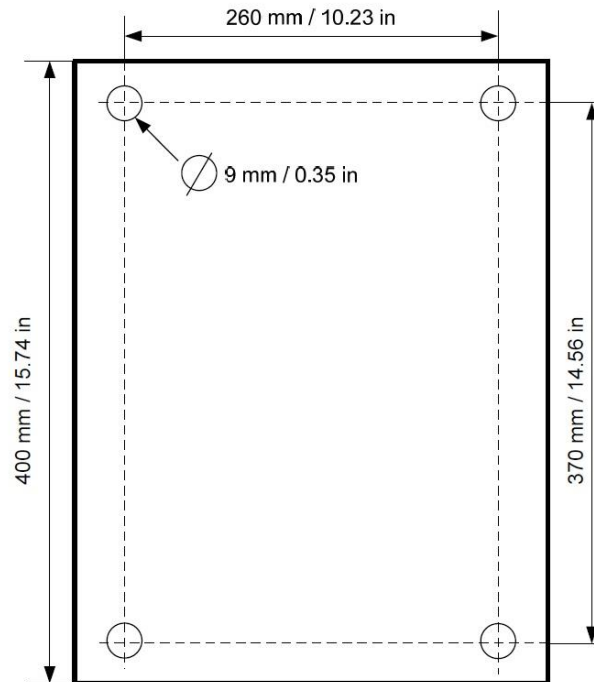
XMP-K32 Board – Configuration details



DIP switch SW1 to SW4

- SW1 switch 1..8 = Unit number low order 8 bits
- SW2 switch 1..4 = Unit number high order 4 bits
- SW2 switch 5 = DHCP /DNS support
- SW2 switch 6 = reserved
- SW2 switch 7 = IP-Address will be deleted
- SW2 switch 8 = reserved
- SW3 switch 1+2 = Baud rate for RS485 COM1 (0=4800, 1=9600, 2=19200, 3=38400 Baud)
- SW3 Switch 3+4 = Baud rate for COM2 (0=4800, 1=9600, 2=19200, 3=38400 Baud)
- SW3 Switch 5+6 = reserved
- SW3 Switch 7 = activate encryption
- SW3 Switch 8 = Cold restart
- SW4 Switch 1 = start FTP and TELNET-server (should be used for service purpose only)
- SW4 Switch 2 = start HTTP server
- SW4 Switch 3..7 = reserved
- SW4 Switch 8 = Protection against replay attacks

Dimensions



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