

## Mobile access control

### Applications

- Access Control
- Time and Attendance
- Barrier Control
- Ticket checking
- Picture comparison
- Guard Round

### Overview / Functions

The XMP-Mobile adds the functionality of Mobile Access Control to the integrated Security System BABYLON-XMP.

The XMP-Mobile was designed for outdoor use and has a very rough housing.

It comes with an integrated RFID card reader and /or an 1D/2D Barcode scanner.

The communication with BABYLON-XMP is done via wireless LAN and/or GPRS/EDGE (EDGE = works as a phone). The XMP-Mobile utilizes very secure communication using 256bit Blowfish telegram encryption.

The authorization of a person can be checked online in real time or offline. Full Antipassback is supported in online mode.

The XMP-Mobile can control the outputs of K32 door controllers to open gates/barriers.

Pictures can be taken with the (optional) integrated Camera and send to the central.

The (optional) integrated GPS can be used to track the position of the XMP-Mobile in the central and to assign a position dependent access level to it.

Up to 2048 XMP-Mobile devices can be connected to one BABYLON-XMP system.

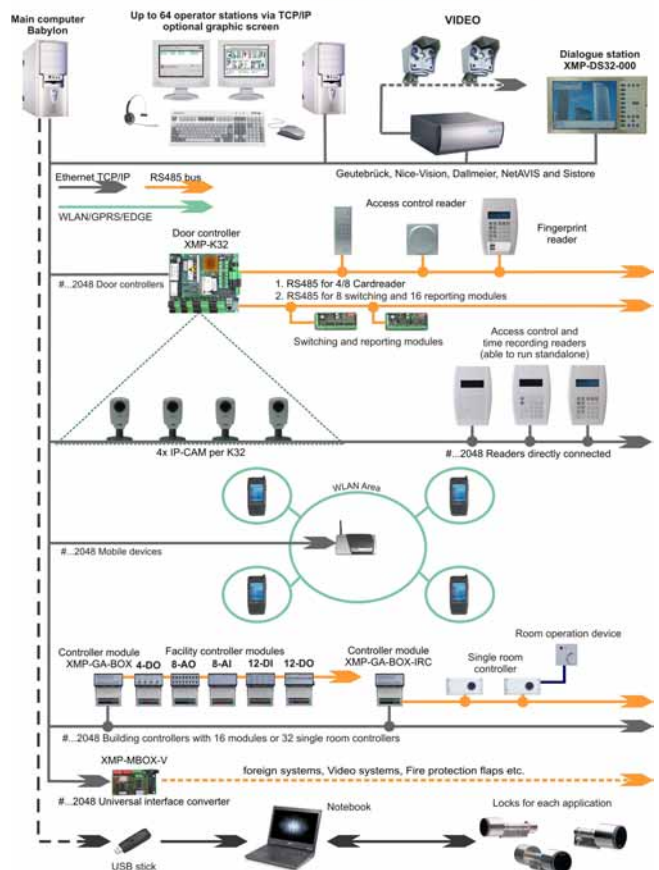
In WLAN mode all XMP-Mobile devices are checked and supervised continuously. The system operator will be informed if a XMP-Mobile is switched off, out of battery power or has left the WLAN area.

protecting, checking, booking



XMP-Mob-xxx

## BABYLON-XMP System overview



**Technical Specification**

Operating system (OS)		Windows Mobile 5.0 Phone Edition
Processor (CPU)		Intel PXA-270 520 MHz
Memory	RAM	128MB
	ROM	128MB(256MB)
Expansion Slot		Mini SD slot
Scanner	Type	1D linear
	Barcode type	EAN-13,BOOKLANDCOUPONCODEEAN-8, UPCA, UPCE, CODE39, CODE32 CODE93, CODABAR, Code128, UCCEAN128, CODE11, CODE35, MSI Plessey, PZN, I2of5, ITF, Code25 Industrial, Code25 Matrix, Code25 DataLogic, Code25 IATA, DPL, DPI
Color Camera	Type	CMOS
	Resolution	2.0M Pixels
	Illumination	Flash
	Lens	Auto Focus
RFID	Antenna	Integrated
	Frequency Range	13.56MHz
	Standards supported	ISO15693, ICODE®, ICODE® EPC, ICODE® UID, ISO14443A/B
WWAN	Frequency bands	Quad band: GSM 850/900/1800/1900MHz (using Siemens Module)
	Output power	Class 4 (+33dBm ±2dB) for EGSM850/EGSM900 Class 1 (+30dBm ±2dB) for GSM1800/GSM1900 Class E2 (+27dBm ±3dB) for GSM850 8-PSK/900 8-PSK Class E2 (+26dBm +3/-4dB) for GSM1800 8-PSK/GSM1900 8-PSK
	Data transfer	GPRS
		Multislot class 12 Full PBCCH support Mobile Station Class B Coding Scheme 1-4
		EGPRS
Multislot class 12 Mobile Station Class B Modulation and Coding Scheme MCS 1-9		
WLAN		IEEE 802.11 b/g
WPAN (Bluetooth Support)		Class II, v2.0
IrDA		Integrated Transceiver, 1.4 low power 9.6~115.2kbit/s
GPS-enabled		SiRF-star III GPS module & 15x15 Active antenna
Antenna		Internal

**Technical Specification**

Display	Size	3.5" (240 x 320)
	Colors	65.536
	Type	Touch screen, LED backlight
Keypad		Alpha & Numeric (3x4 dial), 4direction, 13function (9 frond, 4 side), 1 power
Notification		Vibrator, LED
Audio options		Microphone, Speaker, Stereo Ear-Mic jack, Software support for full duplex record and playback (stereo),
Network connections		Ethernet (via 4 slot cradle), Full-speed USB (via cradle), host or client
External interfaces		RS232, USB 1.1
Security		WPA2, WEP (40 or 128 bit), TKIP, TLS, TTLS (MS-CHAP), TTLS (MS-CHAP v2), TTLS (CHAP), TTLS-MD5, TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2), AES
Dimensions		162 x 78,6 x 24 mm
Weight		276.7 / 329.0g including battery
Main battery		Rechargeable Lithium Ion 2200 mAh
Drop specification		1.5m
Electrostatic discharge (ESD)		±12kV air discharge, ±8kV direct discharge
Environmental sealing		IP65
Humidity		25% RH ~ 85% RH
Operating temperature		-20° C to 50° C
PEN		Stylus pen
Adaptor		1) Home application (Input: AC 100 to 250V, Output: DC5.2V/3A) 2) Vehicles Application (Input: DC9 to 30V, Output: DC5.2V/2A)
Headset		Speaker, Mic, Call Key
Cradle		1 Slot Desktop cradle, 4 Slots Ethernet Cradle

**Device arrangement**

Front side  
Touch screen, RFID, Keys



Back  
Camera (2.0M Pixel)



Top  
Barcode



**Order Numbers:**

- XMP-MOB-001 : Handheld-Mobile-Computer with Mifare RFID Reader and WLAN
- XMP-MOB-101: Option Barcode Reader 1D
- XMP-MOB-102 : Option GPS
- XMP-MOB-103 : Option EDGE (Smartphone)
- XMP-MOB-104 : Option Camera 2 MegaPixel
- XMP-MOB-105 : Option Bluetooth



**Available Accessory**



Pistol Grip



4 Slot Ethernet Cradle



Vehicle Cradle



Optional GPS antenna



Ram Mount



Vehicle Cigarette Jack



Fabric Holster



Belt Leather Holster



Hand Strap Leather Holster



Battery



Home Charger