

iWB Bio Series



Mobile fingerprint secure solution delivering services at the last mile

- Leverage state-of-the-art biometric authentication technology to secure & build trust
- Open cost-effective financial inclusion channels: branchless banking, microfinance or G2P
- Manage government ID schemes: attendance tracking, pension payments, voting, law enforcement

iWB Bio Series

- Highest Security

The iWB Bio series meets the highest and latest hardware & software security requirements. It is the first fingerprint device designed to be PCI-PTS 3.1 certified with SRED and open protocol modules. This level of certification is mandatory for payment transactions and highly recommended for PKI certificate storage.

- 4-Factor-Authentication

iWB Bio series combines Chip, PIN, fingerprint verification and GPS tracking, 4 authentication factors for the best ever KYC – Know Your Customer – performance. Providing in real time key information on customers and agents activity, it enables to build more efficient fraud management system.

- All Transactions Options

In addition to fingerprint authentication, iWB Bio series offers all transaction options ranging from traditional magstripe and EMV chip & PIN payment to the newest contactless & NFC use cases.

- Designed For Outdoor Mobility

Designed for outdoor mobility, iWB Bio series is a robust hand-held device and the perfect business companion for agents. Pocket-sized, it comes with several day's battery life. Its color display offers unique outdoor readability.

- All Wireless Connectivity

Featuring a unique portfolio of wireless connectivity options – GPRS & Bluetooth Class 1 – iWB Bio series enables an efficient coverage of all in-door and outdoor use cases. Optional second SIM slot acts as back-up when main GPRS network is unreachable. Bluetooth connectivity includes a secured link to the iWB bluetooth+ Ethernet docking station and tethering through a mobile phone or PC.

- Unique User Experience

Thanks to its best-in-class customer guidance with mother-tongue display, printing and audio, the iWB Bio series accommodates all customers even if they are illiterate, for face-to-face transactions, customer screens are displayed in reverse mode offering selection from 4 capacitive keys.

- Leading Fingerprint Technology

Embedding best-in-class fingerprint module, iWB Bio series matches prints in a split-second. The CBM-E version of this module is certified by the FBI. Our device complies with PIV-IQS certification and FIPS 201 approved algorithms. It is IP65-tested and ensures long-lasting features and outdoor readiness.



iWB Bio Series		iWB Bio 220	iWB Bio 250
Processor	ARM 9 & ARM 7	•	•
Memory	16 RAM/16 Flash	•	
	32 RAM/128 Flash		•
	Micro-SD reader option	Option	Option
SIM		1 + 2nd optional	1 + 2nd optional
SAM		1 + 2nd optional	1 + 2nd optional
Card readers	Smart card	1 + 2nd optional	1 + 2nd optional
	Magstripe	•	•
	Contactless	Option	Option
Display		Monochrome Graphic 128x64 pixels White Backlit – 2,53"	Transmissive TFT-LCD Colour QVGA 320x240 pixels 4096 colours – 2,81"
	Fingerprint module	Morpho CBM Morpho CBM-E	Morpho CBM Morpho CBM-E
Terminal connectivity	Wireless	GPRS or Bluetooth or Offline	GPRS or Bluetooth or Offline
	Wired	Micro USB type A/B (Host & Slave)	Micro USB type A/B (Host & Slave)
GPS Tracking		Option	Option
Keyboard	Backlit operational keys	15	15
	Navigation keys	4 capacitive	4 capacitive
Audio	Buzzer	•	•
	Speaker	Option	Option
Thermal printer	Speed in lines/second	30l/s	30l/s
	Paper roll cage	40mm	40mm
Power supply	Terminal/base	5V 1A	5V 1A
	Terminal car charger	5V 0,75A – option	5V 0,75A – option
Batteries		Li-Ion 2050mAh	Li-Ion 2050mAh
Terminal	Size	150 x 78 x 44 mm	150 x 78 x 44 mm
	Weight	285g	285g
Base	Charger	Charger	Charger
	Modem	Charger + Dial-up Modem + USB-A + 2RS232	Charger + Dial-up Modem + USB-A + 2RS232
	Ethernet Modem	Charger + Dial-up Modem + Ethernet 10/100 Base T + USB-A + 2RS232 + USB-B	Charger + Dial-up Modem + Ethernet 10/100 Base T + USB-A + 2RS232 + USB-B
	Bluetooth Ethernet Modem	Charger + Dial-up Modem + Ethernet 10/100 Base T + Bluetooth + USB-A + 2RS232 + USB-B	Charger + Dial-up Modem + Ethernet 10/100 Base T + Bluetooth + USB-A + 2RS232 + USB-B
	Operating temperature	-10 to +45°C	-10 to +45°C
Environnement	Storage temperature	-20 to +55°C	-20 to +55°C
	Relative humidity non condensing	85% HR at +40°C	85% HR at +40°C
Security		Online & offline PCI PTS 3.1	



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