impro technologies®
ACCESS CONTROL

ACCESS portal

Biometric time and attendance
READER

- **Simplicity:** seamlessly integrated with Access Portal
- **Cost effective:** only one reader needed per T&A point
- **Flexibility:** fingerprint, tag and/or pin options

Reliable **T & A** reader solution

WHO SHOULD USE THE BMTA READER?

The BMTA is best suited to the user looking for a cost effective biometric solution.

The reader is suitable for both Time & Attendance (T & A) and access control applications.

OTHER FEATURES:

- Reads/supports both 125kHZ and 13.56MHz credentials
- Ability to upgrade firmware in the field, with no down-time
- Single BMTA can be used as an entrance and exit reader
- Ability to arm and disarm an alarm panel
- Offline capability

The Biometric Multi-discipline Time and Attendance (BMTA) reader is a compact biometric solution that is specially engineered for time and attendance applications.

The keypad includes in and out buttons to allow a single BMTA reader to service a Time & Attendance (T & A) point.

Multiple credential formats

In addition to the on-board fingerprint reader, the device is capable of reading a multitude of credential types making it ideal for new or existing applications as there is no need to replace your existing credential – often a drawback in upgrading sites.

Three unique identifiers

The unit makes use of these three unique credentials: finger, tag/card and pin, along with any combination of the three for enhanced security.

LCD screen

The BMTA's LCD screen displays time and date and indicates allowed and denied access clearly, making it perfectly suited to T & A applications.

In addition, the LCD screen facilitates the sending of messages to specific individuals or groups of people, and can be personalised to your specific needs.

Increased security

The reader can be used for T & A transactions only, or alternatively, can be connected to an Impro XSR relay, to drive relays as well as inputs, where access control is required.

This has the benefit of being able to place the relay for the reader on the secure side of the door, vastly increasing security.

The BMTA seamlessly integrates into the Access Portal range and can communicate via both TCP/IP and RS485.

Specifications
BMTA

Model name	BMTA RS485	BMTA TCP/IP
Part number(s)	HRB900	HRB901
Product description	Biometric Multi-discipline Time Attendance reader RS485	Biometric Multi-discipline Time Attendance reader TCP/IP
Colour	Black	
Dimensions (d-w-h)	10.5cm x 16.3cm x 6cm [4" x 6.4" x 2.4"]	
Approximate product weight	320 g (11 oz)	
Material	ABS plastic	
Electrical specifications		
Input voltage	10 - 30 VDC, polarity sensitive	
Power requirements at 12 VDC	170 mA current, 2.04 W power	
Power requirements at 24 VDC	90 mA current, 2.16 W power	
Power input protection	Reverse polarity and over-current protection	
User interface specifications		
Touchscreen display	✓	✓
Tag compatibility	Slim Tags, Omega Tags, Impro Trinary Tags (1074 and 2074), Philips HITAG™ 1, Philips HITAG™ 2, HID Tags (H10301, H10302 and H10304), ISO 15693-2 iClass Tags, ISO 18092 FeliCa Tags, ISO 14443A MIFARE® Tags, as well as Impro Quad Transmitter Integrated Tags.	
Keypad	12 digit keypad for PIN	
Biometric	500 DPI biometric fingerprint reader	
User validation modes	Finger only • Tag only • PIN only • Tag + finger + PIN • Tag or finger or PIN • Tag + finger • Tag or finger • Finger, tag + PIN, with any combination of the three	
Fingerprint reader		
Users	Up to 5 000 , one finger per user • Up to 2 500, two fingers per user	
Verification speed	Less than one second	
Image resolution	500 DPI	
Environmental specifications		
Operating temperature	-20° to +60° C [-4° to +140° F]	
Storage temperature	-30° to +70° C [-22° to +158° F]	
Operating humidity	0 to 90% relative humidity non-condensing (at +40° C / +104° F)	
Environmental rating	IP54	IP40
Certifications		
CE (EU)	✓	
UL|ROHS	✓	
SABS (RSA)	✓	

Impro Technologies
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in the access control industry

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