



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
has over 30 years' experience
in the access control industry

HQ tel: +27 (31) 717 0700
Email: info@impro.net
Web: www.impro.net