

## Mifare Attendance Terminal with Message Display

Borer's **Mifare Attendance Terminal with Message Display** is designed as a clocking point for use in on-line attendance recording. It can also be used for locker access control, which enables a card presented at a reader to selectively open a specified locker from a bank of lockers.

The **Mifare Message Display Terminal** provides full on-line and off-line data collection at the point of data capture, eliminating the need for a separate control panel, wall box and mains power supply.

The elimination of unnecessary equipment together with a low energy profile delivers a 'cleaner, leaner and greener' solution, reducing lifetime cost of ownership.

The **Mifare Message Display Terminal** supports Mifare and Desfire security badges, tags and key fobs. The Mifare card is an open standard (ISO 14443A) technology where one card can be applied across a range of applications including: banking, travel card, cashless vending, access control and attendance recording.

### Benefits

- **Developed using 'clean design' principles** to reduce component count and energy consumption
- **'Plug and Play'** makes for faster installation and commissioning
- **TCP/IP Network connection** via a Borer Bridge enables a direct connection to the central management system and database
- **Very low energy consumption** leads to savings in cost of energy
- **Eliminates the requirement for a separate control panel**, wall box and power supply, reducing bespoke cabling and installation complexity with associated costs
- **Uses open format Mifare cards**, which unlike systems that use proprietary and exclusive formats, eliminates single supplier dependence and benefits the user with lower cost for replacement cards



**Part Number: 04-125**

### Features:

- **Integrated Smart Card Reader** compatible with Mifare and Desfire formats
- **Two Line LCD Display**
- **Numeric Keypad** for entry of absence codes and variable data
- **Large Memory Storage** with a total capacity of up to 120,000 transactions
- **Integrated Relay** for switching of external circuit
- **Four State Supervised Inputs** and tamper circuit
- **Two Bicolour LEDs and Polyphonic Sounder** gives clear indication of card and reader status
- **Works with Borer Midspan Bridge** technology which delivers power and data over a single CAT5e/6 cable

## Technical Data

<b>Installation</b>	Mifare Attendance Terminal with Message Display comes with a matching backbox for surface mounting
<b>Colour</b>	Black
<b>Power Supply</b>	100mA quiescent, 150mA peak @ 12V DC
<b>Device Dimensions / Weight</b>	218 x 126 x 76mm / 539g
<b>Environmental / Humidity Range</b>	Interior or exterior / 5% to 95% non - condensing
<b>Outputs</b>	Lock relay (5A peak, 3A continuous @ 30V DC, NO and NC contacts), polyphonic tones, tri state colour LEDs
<b>Inputs</b>	Supervised door monitor, REX, tamper circuit
<b>Keypad</b>	12 button membrane keypad
<b>Display</b>	32 character LCD display with backlight
<b>Reader Database</b>	2 x 15,000 transactions (version 1), 2 x 60,000 transactions (version 2),
<b>Data Retention Without Power</b>	10 years
<b>Network Connections</b>	Controller Area Network (CAN), ISO 11898 standard for serial data communications
<b>Cable Type</b>	CAT5e / 6 cable
<b>Transmission Protocol</b>	CSMA-CA (Carrier Sense Multiple Access with Collision Avoidance)
<b>Data Rate</b>	Autosensing: - 50, 125 or 250 kbps
<b>Operating Temperature Range</b>	13 to 140 F (-25 to 60 C)
<b>Read Range</b>	Up to 80mm; range may vary with Mifare token type and install environment
<b>Smart Card Technology</b>	Mifare (13.56MHz) ISO 14443A standard cards or tokens

