

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

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

