

Borer's Mifare Attendance Terminal with Message Display is designed as a clocking point for use in online 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 online and offline 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.



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

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 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 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

Technical

Installation:	Mifare Attendance Terminal with Message Display come with a matching backbox for surface mounting
Colour:	Black
Power Supply:	100mA quiescent, 150mA @ 12 Volts DC
Reader Head Dimensions/Weight:	218 x 126 x 76 mm / 539g
Environmental Humidity Range:	Interior or exterior / 5% to 95% non-condensing
Digital Outputs:	Lock relay (5A peak, 3A continuous @ 30v DC, NO and NC contacts), polyphonic tones, tri state colour LEDs
Digital 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 transaction (Version 1), 2 x 60,000 (Version 2)
Data Retention without Power:	10 years
Network Connection:	Controller Area Network, ISO 11898 standard for serial data communications
Cable Type:	CAT5e/6 Cable
Transmission Network:	CSMA - CD (Carrier Sense Multiple Access with Collision Detection)
Data Rate:	Autosensing: -50, 125 or 250kbps
Operating Temperature Range:	-20 to 60 C (-4 to 140 F)
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

