

Model: MT-200



Electronic Time Clock

The BundyPlus™ MT-200 time clock is the perfect solution for today's small-medium business T&A, Access Control and Job Costing requirements. The MT-200 accurately time stamps all employee activities 24-7 so you're always in control.

The BundyPlus™ system is a combination of robust hardware, industry standard communications infrastructure, and free limitless employee application software. The BundyPlus™ MT-200 connects seamlessly in to your existing IT network via 10/100 Ethernet, WiFi or GSM/CDMA/PSTN modem. Using today's low cost VPN connections, you can be tracking your work force over multiple sites (or States) within minutes. Even when the network is down, BundyPlus™ MT-200 keeps on tracking your staff's activities.

Combining over 20 years of hardware and software experience, smart application software and the latest legislation requirements, BundyPlus™ MT-200 time clock is the perfect T&A solution. The BundyPlus™ MT-200 is simply one of most flexible, easy to install and cost effective electronic time clocks on the market today.

Key Features

- Low cost.
- 2,000 Employee ID lookup table.
- Employee messages.
- Job costing.
- Multi-card formats (magnetic, barcode*, proximity*).
- 5 hour operational backup (UPS).*
- Access control.
- 10/100 Ethernet LAN port.*
- Wifi LAN port.*
- GSM/CDMA/PSTN modem.*
- Direct keypad entry
- 1 x Track II magnetic swipe card reader
- 2 x proximity card reader inputs
- Large backlit graphic LCD.
- Wall display RS232 output.
- 2 year data retention.
- 2 x relay outputs (meal break siren, door latch)
- Local support
- Designed & Manufactured in Australia.
- 12 month warranty.

(*Optional accessories)

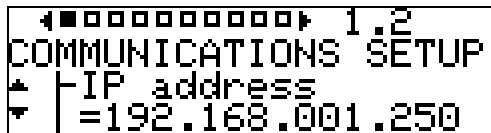
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How do I get started?

Installation

Simply install your BundyPlus™ MT-200 time clock(s) at a safe location where people can easily gain access. As a "rule of thumb" if you have more than 50 employees' clocking IN/OUT at the same time, you'll probably need an extra clock. There is no limitation on how many time clocks you can use.

Connect your BundyPlus™ MT-200 time clock to your existing IT network via either 10/100 Ethernet, WiFi or GSM/CDMA/PSTN modem, or direct RS232 serial. Configure the time clock settings using the onboard password protected setup menu.

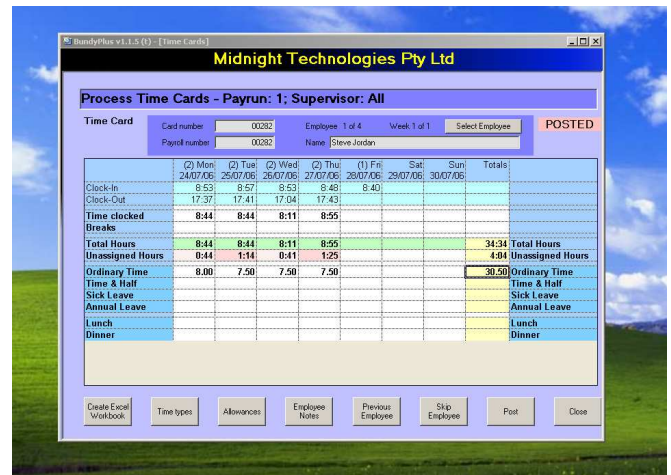


Using the BundyPlus™ installation wizard, load the free application software onto any Microsoft® compatible PC or server.



Operation

Employee transactions are saved locally on the BundyPlus™ MT-200 time clock and downloaded automatically into the BundyPlus™ PC application. Information can be viewed, modified, and grouped together for each employee for each day of the week. BundyPlus automatically assigns the ordinary time and leaves the balance as overtime - just divide the balance into your different overtime categories and it's done.



Once posted, your employee data can be exported into a Microsoft® Excel spreadsheet or directly into several payroll formats.

	A	B	C	D	E	F	G	H	I	J
1	BundyPlus		Mike Whyte for Week Ending 24-Jul-2005							
2	Payroll#		10003							
3	Supervisor		MW							
4			Hours Worked	Est Cost	Ordinary Time	Time & Half	Double Time	Sick Leave	Holidays	Lunch No 1
5	18-Jul-2005		9.00	\$110.10	7.60	1.00				1
6	19-Jul-2005		8.37	\$93.10	7.60					1
7	20-Jul-2005		11.33	\$156.10	7.60	1.00	2.00			1
8	21-Jul-2005		8.00	\$93.10	7.60					1
9	22-Jul-2005		9.03	\$110.10	7.60	1.00				1
10	23-Jul-2005		4.99	\$103.50			4.50			
11	Total		50.62	\$666.00	38.00	3.00	6.50			5
12										

No more Bundy cards, no more on going costs.

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Which card is right for me?

The BundyPlus™ MT-200 time clock is designed for maximum flexibility and efficient recording of employee transactions. When it comes time to decide “*which card is right for me?*”, here’s a couple of factors you’ll need to take into consideration.

- Type of industry working environment
- Security
- Cost
- Can I use my existing cards?

As a “*rule of thumb*” unless your work environment is reasonably clean then we recommend using proximity card technology.

HID-II & HID-ISO

A proximity card is a non-contact system that doesn’t require the user to swipe their card. Simply present the card within 15-25mm of the time clock and the card information is read automatically. Cards can be read though wallets, purses, and security badges.

- Robust. Not susceptible to damage
- Credit card size.
- Thin flexible medium cost (HID-II) or thick ridged higher cost (HID-ISO)



MAG-II

Magnetic swipe cards work like a credit card. A magnetic stripe on one side is read when the card is swiped through the time clock to record hours worked. Standard on all MT-200 time clocks.

- Lowest cost
- Thin flexible credit card size
- Susceptible to damage in dirty environments



HID-FOB

Functionally the same as a HID-II or HID-ISO accept that it’s smaller. Can be mounted on a key ring or neck strap. It’s still a non-contact system but requires the user to present the fob within 10-15mm proximity.

- Robust. Not susceptible to damage
- Higher cost



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Technical Specifications

Software

Employee database

- Max employees: 2000
- Employee ID, name, and message length: 30

Costing database

- Max costing codes: 200
- Max costing code and message length: 30

Card Configuration

- Keypad: Enable or Disable
- Proximity card type selection
- Remove leading zeros: Enable or Disable
- Validation: Enable, Disable
- Card direction (IN/OUT): Enable or Disable

Relay events

- Configurable relay events (meal break notification): 50

Access Control

- Access: Disabled, Only if valid, or Any.
- Relay period: 1-30 seconds

Job Costing

- Prompt: Disabled, Only on IN, Only on OUT, ANY, and manual entry.
- Validation: Enable or Disable
- Fixed costing: Enable or Disable

Display

- Time format: 24hr or 12hr.
- Display seconds: Enable or Disable.
- Display employee name period: Short, medium and long
- Display employee message period: Short, medium and long

Sound

- Buzzer: Enable or Disable.

Logging

- Number of swipes.
- Number of battery chargers
- Operating period

Hardware

Network Interfaces

- 10/100Base-T Ethernet Auto-sensing when using compatible network cable.*
- 802.11b WiFi WLAN.*
- GSM/CDMA/PSTN modem.*
- Host RS232 (3 wire 9600,n,8,1).
- External reader (3 wire 9600,n,8,1).

Display & Indicators

- 132 x 24 pixel backlit graphic LCD
- 10/100Base-T Ethernet link & speed LED.*
- 87dB buzzer

Data Entry

- Direct keypad
- 1 x Track II magnetic swipe card.
- 2 x Proximity card (HID 26bit, HID 32bit, HID 36bit, HID 37bit, TCOM 26bit, ASR-27bit and custom formats).*

Relay Outputs

- 24V AC/DC 1AMP MAX! (Note: ensure back EMF diode is fitted on non-resistive loads)

Connectors

- Relays & Wall display: 8way 5.08mm pitch detachable plug
- Proximity reader: 5 way 5.08mm pitch detachable plug
- Power: 2 way 5.08mm pitch detachable plug
- 10/100Base-T Ethernet: RJ45.*
- Host RS232: RJ11
- External RS232 reader: RJ11
- UPS battery: 2 way 0.1" detachable.

Installation

- Steel backing plate with four cable duct entry points.

Warranty

- 12 months return to base.

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Physical & Environmental

Power Voltage

- 12VDC 1AMP (plug pack supplied)

Dimensions

- 221(W) x 126*(H) x 75(D) mm
(*not including antenna if fitted)

Operating Temperature

- 0°C - 50°C.

Storage Temperature

- -20°C - 50°C.

Operating Humidity

- 5% - 95% non-condensing.

Weight

- 2.2kgs

Ordering Information

BP-M BundyPlus time clock with magnetic card reader and plug pack.

BP-P BundyPlus time clock with HID proximity card reader and plug pack.

*Optional Accessories

BP-XPORT	10/100Base-T Ethernet module
BP-WIFI	IEEE 802.11b WiFi module
BP-BATT	5hour operational backup battery
MT-SAM	GSM modem
MT-CDMA	CDMA modem
BP-SIREN	110dB siren (meal breaks excrета)
BP-WALL	Large 100mm LED time display (visible 100meters away)
MAG-II	Track II 10 pack magnetic cards
MAG-II(30)	Track II 30 pack magnetic cards
HID-II	Proximity card (thick)
HID-ISO	Proximity card (thin)
HID-FOB	Proximity fob
BP-CARDRACK	wall mounted 2x25 card rack

Distributor

BundyPlus™

Designed and manufactured by:



1st Floor, 8 Queen Street, Nunawading
Victoria 3131, Melbourne Australia
www.midnighttechnologies.com.au

BundyPlus™ is a registered trade mark of midnight technologies pty ltd.

Specifications are subject to change without notice.