



Timy-USB is a unique battery operated Time Recording unit, using robust optical ID-Badges. Clocking time stamp data is transferred with a USB Memory Key to the Timy-Soft application, which operates under MS-Excel (Excel 97 to Excel 2016 versions).



1 - The user "wakes up" the Timy-USB badge Reader by pressing the only button on the device. Timy displays the time and is ready for an ID-badge.



2 - The ID-badge is swiped through the Reader. Badge number, date and time are stored in memory. After 5 seconds the Timy Reader goes back to sleep.



3 - The clocking data is copied to the USB Memory Key when required (daily, weekly, monthly, etc).

The USB-Key connects to a computer running the Timy-Soft Application to automatically create timesheets and reports in Microsoft Excel.



No cables - No installation cost - No distance limits – No Fuss

Simple, Accurate, Fast & Efficient

Specifications – Timy-USB Recording Terminal

Housing: Grey polystyrene

Dimensions in mm: 240 (high) x 108 (wide) x 38 (deep)

Dimensions in inches: 9.5 (high) x 4.25 (wide) x 1.5 (deep). Weight 500 gms/1.10 lbs.

Power: 4 standard "AA" alkaline Batteries

Life span of batteries is approximately 20,000 time stamps – equivalent to one year with 80 time stamps for 250 working days. Batteries are supplied with the system purchase.

Optional AC/DC Power: Battery Saver

Low power 9v DC mains adaptor, 0.3W output. Extends battery life to more than 2 years.

Display: 4-character, 7-segment LCD Display

Displays time in 24-hour format (hh:mm) and system messages, such as "Good" when swiping badges. Large characters provides exceptional readability on the Timy-USB Time Clock Recorder display.

Acoustic signal: Audible Tone

Confirms ID-Badge reading and announces system messages, such as "Copy" when clocking-in data is transferred to the USB Key.

Swipe Badge Reader: Infrared Optical Barcode

Optical badge reader with no moving parts. Robust, non-contact, maintenance-free technology – no service contract required. The Badge Reader decodes "Code 3 of 9" on the user Badges.

Swipe Badges: Credit card style badge

Unique serialised barcoded badge for each staff member, extremely secure & non-contact, very robust polyester material, ISO/IEC 7810 credit card size.

Internal memory: Electronic non-volatile

Stores more than 14,000 time stamp events and securely protects data if power fails.

Clock: Time and Date

Accuracy of ± 15 seconds per month when ambient temperature is within $+10^{\circ}\text{C}$ to $+40^{\circ}\text{C}$. Automatic seasonal time changes which can be disabled by user if required. Time & Date are adjusted by System Configuration Badge. When changing batteries, clock autonomy is more than 3 minutes.

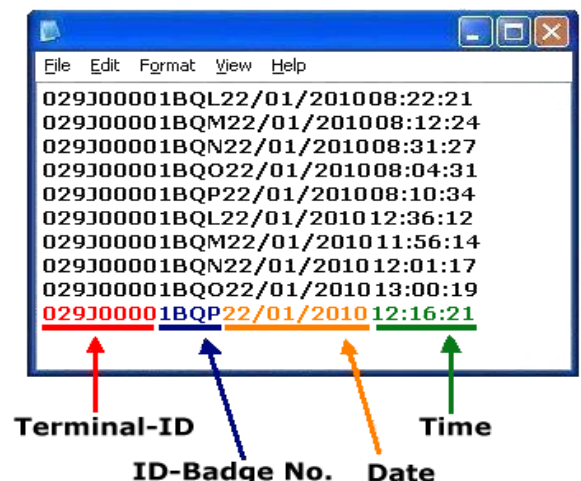
Data Transfer: USB Memory Key

Memory key downloads data from the Timy-USB Time Recorder, after USB-Key authentication is verified. USB-Key data is transferred to the Timy-Soft Application.

The Timy-USB Time Recorder data file is an encrypted ASCII file, in order to prevent unauthorised data modifications. Non-encrypted ASCII output is available upon request.

The data file is read by the Timy-Soft Application on all Windows computers running MS-Excel.

An example of the non-encrypted ASCII file is shown on the right:





Timy-Soft is a Time Attendance Management Software tool working under Microsoft Excel ('97–2016 versions). No license is required for the use of Timy-Soft.

The names of Employees are initially recorded along with their ID-Badge numbers. The 'clocking' data recorded by the Timy-USB Badge Reader unit are retrieved by inserting the USB-Key in the Timy-USB Reader unit and pressing the red button. Take the USB-Key to the computer and click on 'Get Clocking Data'. Timy-Soft takes care of the rest.

To display, print or correct any timesheets, simply indicate the desired time period and select the Employee. Timy-Soft displays the worksheet, as in the example below:

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AQ
5	Time Sheet for PARKES Alan Michael (Empl-No: 02)																			
6																				
7	Date	Start 1	Stop 1	Start 2	Stop 2	Start 3	Stop 3	Start 4	Stop 4	Start 5	Stop 5	Hours Clocked	Absence 1	Duration	Absence 2	Duration	Correction	Duration	Net Hours	Total Week
65	28/07/2008	08:22	12:59	14:03	18:43							9.28								9.28
66	29/07/2008	07:30	12:31	13:20	18:03							9.72								9.72
67	30/07/2008	08:22	12:59	14:03	18:12							8.76								8.76
68	31/07/2008	07:30	12:31	13:20	18:00							9.67								9.67
69	01/08/2008											0.00	HOL	8.00						8.00
70	02/08/2008											0.00								0.00
71	03/08/2008											0.00								0.00
72	04/08/2008											0.00	VAC	8.00						8.00
73	05/08/2008	07:30	12:35	13:45	18:11							9.51								9.51
74	06/08/2008	08:22	12:59	14:03	18:43							9.28								9.28
75	07/08/2008	07:30	12:35	13:45	18:12							9.53								9.53
76	08/08/2008	07:31	12:31	13:20	16:10							7.82								7.82
137	TOTALS											73.58								89.58
138	TOTALS-A	VAC	8.0	HOL	8.0															

Timy-Soft can manage up to 10 'clockings' per day, per Employee (five complete work periods) and computes the daily attendance time, either compared to the clocked hours or compared to time schedule parameters. In the event that an Employee forgets to 'clock', this can be directly corrected in the timesheet. Such corrections are indicated in **bold** to distinguish them from 'clockings' originating from the Timy-USB Badge Reader.

Timy-Soft offers a series of functions to simplify any corrections and to save time. To know quickly 'what does not go' in a given period, click on the button 'Search Errors', chose the types of errors that of interest and the software shows the result in the 'Error Report' as below:

	A	B	C	D
1	Family Name	First Names	Date	Error type
2	BRIDGES	Peter James	02/08/2008	Absent without Reason
3	CLEMENTS	Mary	02/08/2008	Absent without Reason
4	GRANGE	Alice	02/08/2008	Absent without Reason

A simple mouse click on an 'Error' enables Timy-Soft to allow manual correction:

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AQ
5	Time Sheet for PARKES Alan Michael (Empl-No : 02)																			
6																				
7	Date	Start 1	Stop 1	Start 2	Stop 2	Start 3	Stop 3	Start 4	Stop 4	Start 5	Stop 5	Hours Clocked	Absence 1	Duration	Absence 2	Duration	Correction	Duration	Net Hours	Total /Week
12	05/04/2010	07:57	18:03																	
13	06/04/2010	07:15	18:01																	
14	07/04/2010	07:37	18:31																	
15	08/04/2010	07:17	17:51																	
16	09/04/2010	07:19	18:03																	
17	10/04/2010																			
18	11/04/2010																			
19	12/04/2010	07:15	18:01																	
20	13/04/2010	07:37	18:31																	
21	14/04/2010	07:17	17:51																	
22	15/04/2010	07:19	18:03																	
23	16/04/2010	08:02	16:19																	
24	17/04/2010																			
25	18/04/2010																			
69	TOTALS																			
70																				
71																				
72																				

Add or Modify Time Stamps [X]

Click here to shift the Time Stamps to the RIGHT Transfer the first Time Stamp of the next day to this day

Shift >> Midnight X-Over

Click here to shift the Time Stamps to the LEFT Click here to define Truncation

Shift << Time Parameters

Enter/Modify Time Stamp + Enter Key

Close

It is easy to enter any missing 'clocking' in the first empty box, and the correction is done! Timy-Soft automatically corrects 'clocked' hours and puts them in chronological order.

To facilitate preparation of the payroll, Timy-Soft can create summaries for any period 'date-to-date' with totals of the true 'clocked' hours (except adjusted and round-offs), calculated hours ('clocked' hours corrected by adjustments or round-offs + compensated absences and corrections) and totals of all the absences and corrections applied over the period.

	A	B	C	D	E	F	G	H	I
1	Summary	Period:							
2	28/07/2008	08/08/2008							
3	Family Name	First Name(s)	Empl-No	Time Clocked	Time Calculated	VAC	SIC	UNP	HOL
4	BRIDGES	Peter James	03	68.21	80.21		4.00		8.00
5	CLEMENTS	Mary	09	70.93	78.93				8.00
6	GRANGE	Alice	10	61.86	69.86				8.00
7	MARTINS	Sandra	05	73.74	77.74				4.00
8	MORRIS	Sophia	07	63.11	67.11				4.00
9	PARKES	Alan Michael	02	73.58	89.58	8.00			8.00
10	PLEASANCE	Agnes	01	45.65	53.65				8.00
11	REEVES	Peter	04	72.06	76.06				4.00
12	SMITH	John	08	79.79	87.79				8.00
13	VALENCE	Lucas	06	77.06	77.06			8.00	
14	TOTALS			685.99	757.99	8.00	4.00	8.00	60.00