WAC TIME STAMP
Fingerprint Time Attendance

Buy 1 Get 3

1. Fingerprint Scanner
2. Time Recorder & Time Attendance
3. Easy Payrol

The old type of time record such as: punching card, barcode card, magnetic card or proximity card, even though they are easy to use but they can't protect the problems such as:

- Employees clock in for one another.
- Forget ID card
- Endless expenses on making new cards from losing, damaged and lots more.
- Miscalculation of working hours
- Time consuming in collecting working hours and salary data in reporting Social Security or banks

Say goodbye to these problems with WAC TIME Stamp
Checking attendance with fingerprint verification
Durable equipment, easy to use, 100 % prevention on clocking for one another!

WAC TIME STAMP
Fingerprint Time Recorder based on PC

WAC TIME STAMP is fingerprint verification for checking attendance. The fingerprint stamped on the PC will be collected and verified by state-of-the art fingerprint reading machine called Biometric. The system will record the time clocking in-out and process the working hours, system report, Easy Payroll, reducing HR's works human errors, Calculation will be fast, safe, and accurate.

As you install the fingerprint reader to the computer and install the software, the program is ready!

Why WAC TIME STAMP is necessary?

1. **Security**
   WAC TIME STAMP requires a fingerprint which is absolutely unique to individual, stayed unchanged for lifetime and cannot be duplicated. Each employee must clock in-out by themselves, it can't be doe for one another.
2. **Facility**
   - Simple installation by just plugging the fingerprint reader to USB port, install the program and WAC TIME STAMP is ready!
   - No need any ID card, or password. Only fingerprint is required
3. **Fast Scanning**
   Fast and perfect authentication (within 0.5 second).
4. **Summary report and Statistics**
   All working hour data will be collected and calculated in the format that will be applicable to banks, office of social insurance and revenue department.
5. **Reduce workload of HR**

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Attendance information can be transfer to other's payroll program or the Easy Payroll as a text file.

6. <u>Light administration cost</u>
Cut cost in reproducing cards. Processing system is simple to maintain. The reader is durable, and easy to clean.

7. <u>Accuracy excellence</u>
Reduce errors from system and human mistakes as the system calculate these information by itself.

8. <u>Maintenance</u>
This program operates on PC. Problems occurred could be solved as given instructions. No technician required.

9. <u>All in one</u>
- WAC TIME STAMP is the one single solution as it provides:
1. Time Attendance program: for clocking in-out, automatically calculate attendance record.
2. Easy Payroll program: the program could calculate employees' salary, Tax, Social Insurance fee, making report to be sent to revenue department and banks.
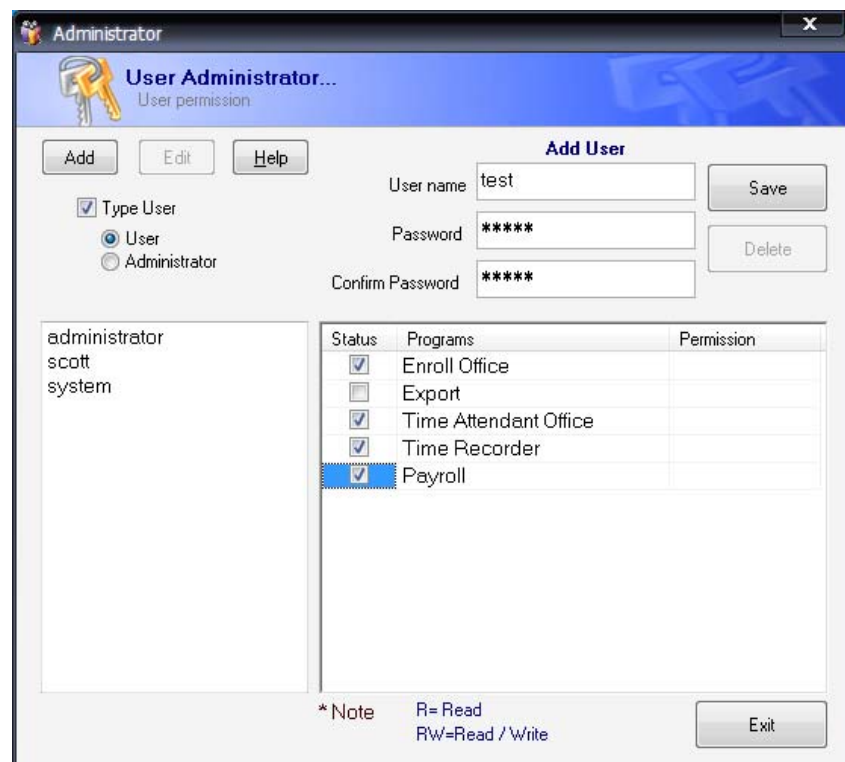

<u>Components</u>
1. Administrator Program
2. Enroll Office
3. Time Attendance Records Manager
4. Easy Payroll
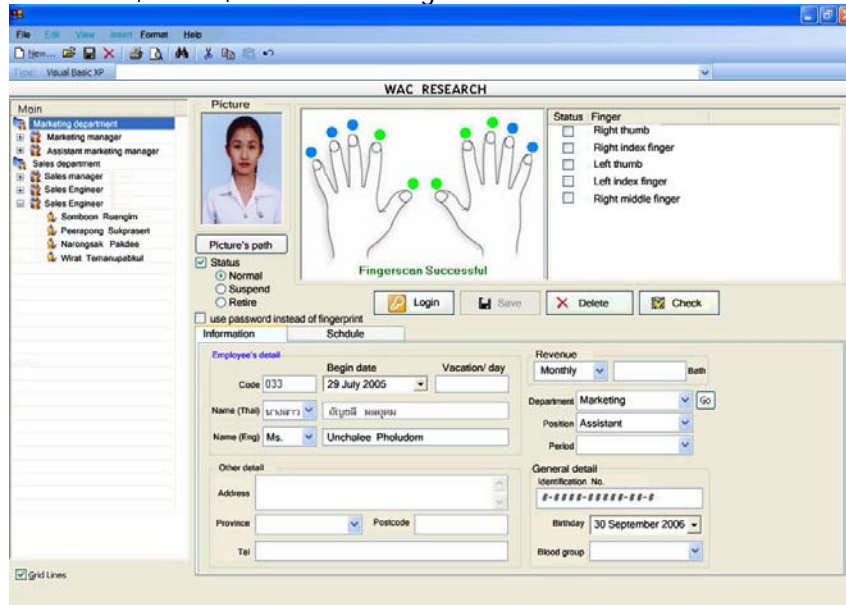5. WFS80 – USB Fingerprint Reader

1. Administrator Program
Process users' information. Allow adding, deletion and correction. Authorisations is required in viewing or correct any data on the system.

2. Enroll Office

Users database management. Features are:

- Able to add, delete, and make changes on all users' information.

- Able to set office hour's pattern for each position or a department. (unlimited number of pattern)
- Public holiday can be set into the program
- Support 100 users on standard version, enterprise one is unlimited
- Fingerprint verification is quick and accurate. No need for password confirmation even among large group of users.
- Able to register upto 10 fingerprints per one user
- Fingerprint scanned within 0.5 second
- Accurate fingerprint verification even in greasy, stained, or wet condition
- Displaying user details,i.e. name, photo, position and time clock in-out during the stamping
- Time attendance checking screen can be changed
- Voice announced during stamping period is recordable

3. Time Attendance Records Manager

Attendance management system. Features are:
- Automatic summary of working hours
- Able to transfer data to Payroll directly in text file.
- Able to change working time data in case of forgetting to clock in or offsite working.
- Summary of time attendance, late for work, vacation days used, or OT
- Displaying different colours in demonstrating different status on certain working days.
- Able to inspect and monitor details of working attendance on real time basis.
- Various template available for
  1. Working hours report
  2. Annual leave report
  3. Working day summary report
  4. Time in-out report
  5. Summary of time in-out report
  6. Employee's profile report
  7. Early and late time in-out
  8. Annually, monthly, weekly, daily (working day) report

Annual leave report.

Working day summary report.

Time in-out report.

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Summary of time in-out report

Employee's profile report

Early and late time in-out

4. Easy Payroll

Simple calculation of salary, TAX, social insurance, banks or revenue department
- Able to set calculation salary rate as requirement.

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- Able to calculate salary.

Departme	Position	Employee	Employee's name	Imcome (M/D/S)	Day(s)	Late in1	Late in2	Absence	Business l	Sick leave	OT(Hr.)	OT
Sales	Sales Engineer	170	Mr Josh Black	9000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	179	Mr Jame Watson	17000		0	0	26	0	0	0:00	0.00
Developm	Programmer	18	Mr Booth Grown	18000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	180	Mr Paul Myria	30000		0	0	26	0	0	0:00	0.00
Marketing	Marketing assis	189	Miss Viviane Kim	8000		0	0	26	0	0	0:00	0.00
Developm	Programmer	19	Mr Smith Aman	11000		0	0	26	0	0	0:00	0.00
Marketing	Marketing assis	190	Miss Vanessa Lee	10000		0	0	26	0	0	0:00	0.00
Developm	Programmer	2	Mr Donald Wang	19000		0	0	26	0	0	0:00	0.00
Developm	Programmer	20	Mr Christopher White	15000		0	0	26	0	0	0:00	0.00
Technicia	System Enginee	200	Mr John Hall	7000		0	0	26	0	0	0:00	0.00
Developm	Programmer	21	Mr Jameson Blue	10000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	210	Mr Andy Grape	6000		0	0	26	0	0	0:00	0.00
Trainee	Trainee	219	Miss Jessie Rason	6000		0	0	26	0	0	0:00	0.00
Developm	Programmer	22	Mr Jim Worm	18000		0	0	26	0	0	0:00	0.00
Trainee	Trainee	220	Miss Sally Reve	5000		0	0	26	0	0	0:00	0.00
Trainee	Trainee	221	Miss Amanda Johns	7000		0	0	26	0	0	0:00	0.00
Developm	Programmer	23	Mr Hilson Worth	13000		0	0	26	0	0	0:00	0.00
Trainee	Trainee	230	Miss Elly Willson	6000		0	0	26	0	0	0:00	0.00
Developm	Programmer	24	Mr Brook Metre	12000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	240	Mr Eric Josh	7000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	241	Mr Ken Mcfill	8000		0	0	26	0	0	0:00	0.00
Sales	Sales Engineer	250	Mr Billy Ford	19000		0	0	26	0	0	0:00	0.00

- Automatically make report to bank, office of social insurance and revenue department.

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สรุปรายงานการจ่ายเงินเดือนประจำงวด

เดือน มกราคม 2549

วันที่จ่ายเงิน	ชื่อ - นามสกุล	ตำแหน่ง	ประจำงวดที่	รายได้	วัน	OT	ค่าน้ำมันรถ	เบี้ยขยัน	เบี้ยเลี้ยง	โบนัส	รายได้อื่นๆ	ค่าใช้จ่ายอื่นๆ	หักสาย	หักขาดงาน	ประกันสังคม	ภาษีณที่จ่าย	รายไ
14/03/2549	อัญชลี ผลอุดม	ผู้ช่วยการตลาด	01/2549	5,500.00	31	0	0	0	0	0	0	0	0	40.00	423.00	0	
21/03/2549	อัญชลี ผลอุดม	ผู้ช่วยการตลาด	01/2549	5,500.00	31	0	0	0	0	0	0	0	0	40.00	423.00	0	
27/01/2549	อัญชลี ผลอุดม	ผู้ช่วยการตลาด	01/2549	5,500.00	31	0	0	0	0	0	283.33	283.33	0	283.33	411.00	0	
31/01/2549	สิริกร สุทธิวรรณ	หัวหน้าฝ่ายวางแ	01/2549	25,580.00	30	0	0	0	0	0	0	0	0	0	750.00	814.00	
14/01/2549	สิริกร สุทธิวรรณ	หัวหน้าฝ่ายวางแ	01/2549	0	31	0	0	0	0	0	0	0	0	0	0	0	
21/03/2549	สิริกร สุทธิวรรณ	หัวหน้าฝ่ายวางแ	01/2549	0	31	0	0	0	0	0	0	0	0	0	0	0	
28/01/2549	ธิรพันธ์ ยมนาคนิค	Sales Engineer	01/2549	6,180.00	31	0	4,500.00	0	0	0	0	0	40.00	306.00	667.00	0	
21/03/2549	ธิรพันธ์ ยมนาคนิค	Sales Engineer	01/2549	6,180.00	31	0	0	0	0	0	0	0	193.00	1,224.00	388.00	0	
14/03/2549	ธิรพันธ์ ยมนาคนิค	Sales Engineer	01/2549	6,180.00	31	0	0	0	0	0	0	0	193.00	1,224.00	388.00	0	
14/03/2549	พีระพงศ์	Sales Engineer	01/2549	5,500.00	31	0	0	0	0	0	0	0	200.00	1,699.98	330.00	0	
27/01/2549	พีระพงศ์	Sales Engineer	01/2549	5,500.00	31	0	4,500.00	0	0	0	283.33	283.33	200.00	1,133.32	583.00	0	

Bank report

Social security insurance payment report
Pay Month   October 2008

Name	Position	Department	Net amount
Mr Alex Wilson	Programmer	Development	453.00
Mr David John	Programmer	Development	1,150.00
Mrs Natalia William	Account Manager	Accounting Department	500.00
Mr Edward Smith	Programmer	Development	1,177.00
Mr John Anwa	Programmer	Development	920.00
Miss Jennifer Jefson	Administrator	Accounting	350.00
Mr Flamink Revin	Sales Engineer	Sales	650.00
Mr Mac John	Programmer	Development	1,073.00
Mr Josh Black	Sales Engineer	Sales	450.00
Mr Jame Watson	Sales Engineer	Sales	750.00
Mr Booth Grown	Programmer	Development	1,230.00
Mr Paul Myria	Sales Engineer	Sales	750.00
Miss Viviane Kim	Marketing assistant	Marketing	400.00
Mr Smith Aman	Programmer	Development	843.00
Miss Vanessa Lee	Marketing assistant	Marketing	500.00
Mr Donald Wang	Programmer	Development	1,257.00

Social insurance report

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Withholding tax summary report
Pay Month   October 2008

Name	Position	Department	Net amount
Mr Alex Wilson	Programmer	Development	453.00
Mr David John	Programmer	Development	1,150.00
Mrs Natalia William	Account Manager	Accounting Department	500.00
Mr Edward Smith	Programmer	Development	1,177.00
Mr John Anwa	Programmer	Development	920.00
Miss Jennifer Jefson	Administrator	Accounting	350.00
Mr Flamink Revin	Sales Engineer	Sales	650.00
Mr Mac John	Programmer	Development	1,073.00
Mr Josh Black	Sales Engineer	Sales	450.00
Mr Jame Watson	Sales Engineer	Sales	750.00
Mr Booth Grown	Programmer	Development	1,230.00
Mr Paul Myria	Sales Engineer	Sales	750.00
Miss Viviane Kim	Marketing assistant	Marketing	400.00
Mr Smith Aman	Programmer	Development	843.00
Miss Vanessa Lee	Marketing assistant	Marketing	500.00

revenue department report

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Salary payment

Constant period 10/2008

From-To 27 09 2008 - 26 10 2008

Payment date   15 October 2008

Employee's ID   1   **Name**   MrAlex Wilson

Department   Development   **Position** Programmer

Income

Salary	฿17,000.00 ฿		Fuel allowance	฿.00 ฿		Commission	฿.00 ฿	
Day(s)		Day	Incentive	฿.00 ฿		leave+Med.Cert	฿.00 ฿	
OT(Hr.)	0:00	Hr.	Allowance	฿.00 ฿		Others income	฿.00 ฿	
OT	฿.00 ฿		Bonus	฿.00 ฿				

Expense

Absence	฿.00 ฿		Sick Leave	฿.00 ฿		Social Ins	฿750.00 ฿	
Late in	฿.00 ฿		Loan	฿.00 ฿		Withholding tax	฿.00 ฿	
Business leave	฿.00 ฿		Other	฿.00 ฿				

Total income	
	17,000.00
Total expense	
	฿750.00
Net income	
	฿16,250.00

salary slip

2. WFS80 - Fingerprint Reader

Fingerprint Sensor Model WFS80 is USB connected reader, used with WAC TIME STAMP for clocking in-out. Users will simply place their finger on the scanning window. The device will verify fingerprints within 0.5 second.

WFS80

Features

1. Fast and accurate authentication within 0.5 s.
2. Counterfeit fingerprints rejection.
3. Resistance to scratches, impact and vibration.
4. Easy to clean.
5. Function even under greasy, wet or stained condition of fingers.
6. Light source :infrared LED.

Specification

1. Fingerprint scanning windows size is 16*24 mm.
2. Compact size 45*63*26 mm.
3. Resolution 508 dpi.
4. USB 2.0 compatible interface, plug and play device.
5. Net weight 120 g.
6. Operation temperature 0-55 $^{\circ}$C.
7. Supply Voltage: DC 4.4-5.25 V.
8. Data rate up to 6Mbit/s.

System requirements

- PC with Pentium IV or higher
- CPU 1.6 GHz or above
- Free Space in hard disk no less than 500 MB
- RAM 256 MB or above
- Windows XP
- 2 USB inputs available

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Features comparison table with WAC TIME STAMP and the other type of time recorder

Base information

Punching card @ 1 baht, barcode card (paper with plastic laminate) @ 10 baht, barcode card (plastic with printed) @ 60 baht, magnetic card with printed @ 75 baht, Thick proximity card with sticker @ 100 baht, Thin proximity card with sticker @ 150 baht, 100 officers, reproduce card rate is 5%/month, 1 PC for operate, human resource officer's salary is 8500 baht/person or 283 day.

Features	Punching machine	Pull card machine Barcode (paper card)	Pull card machine Barcode (plastic card)	Pull card machine (Magnetic)	Pull card machine Thick Contactless	Pull card machine Thin Contactless	Other fingerprint time recorder	WAC TIME STAMP
Time work recoding by the other	Cannot protect	Cannot protect	Cannot protect	Cannot protect	Cannot protect	Cannot protect	Protect	Protect
Scanning time for each person	~ 5 s	3- 5 s	3- 5 s	3- 5 s	3- 5 s	3- 5 s	1-3 s	0.5 s
number of officers	unlimited	depend on memory	depend on memory	depend on memory	depend on memory	depend on memory	depend on memory	Unlimited, store data in PC
Transfer working time data	manual	yes	yes	yes	yes	yes	yes	No
Real time monitoring	No	No	No	No	No	No	No	Yes
Calculation	manual	manual, semi-auto	manual, semi-auto	manual, semi-auto	manual, semi-auto	manual, semi-auto	manual, semi-auto	Auto
Risk of manual calculation	high	medium	medium	medium	medium	medium	medium	low
Spend much time to report in formal form	high	medium	medium	medium	medium	medium	medium	Low, reports are automatically inform.
accessories expense/month (reproduce card, ink)	high	high	high	high	high	high	high	None
Reader durability	low	low	low	low	low	low	low	High
Maintenance	claim	claim	claim	claim	claim	claim	claim	maintenance free,

Expense comparison table between WAC TIME STAMP and other system.

Expense	Punching machine	Pull card machine Barcode (paper card)	Pull card machine Barcode (plastic card)	Pull card machine (Magnetic)	Pull card machine Thick Contactless	Pull card machine Thin Contactless	Other fingerprint time recorder	WAC TIME STAMP
Expense in 1st year								
PC	15,000.-	15,000.-	15,000.-	15,000.-	15,000.-	15,000.-	15,000.-	15,000.-
Time recorder	15,000.-	25,000.-	25,000.-	25,000.-	25,000.-	25,000.-	50,000.-	15,000.-
Card	100.-	1,000.-	6,000.-	7,500.-	10,000.-	15,000.-	-	-
Total	*30,100.-*	*41,000.-*	*46,000.-*	*47,500.-*	*50,000.-*	*55,000.-*	*65,000.-*	*30,000.-*
Monthly expense								
card	105.-	50.-	300.-	375.-	500.-	750.-	-	-
salary (hr * (salary/day)	24*283 =6,792.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	8*283 = 2,264.-
Total monthly expense	*6,897.-*	*4,878.-*	*4,828.-*	*4,903.-*	*5,028.-*	*5,278.-*	*4,528*	*2,264.-*
*Total monthly expense*12*	*82,764.-*	*58,536.-*	*57,936.-*	*58,836.-*	*60,336.-*	*63,336.-*	*54,336.-*	*27,168.-*
Total expense in 1st year	**112,864.-**	**99,536.-**	**103,936.-**	**106,336.-**	**110,336.-**	**118,336.-**	**119,336.-**	**52,168.-**
Expense in 2nd year**								
Monthly expense								
Card	105.-	50.-	300.-	375.-	500.-	750.-	-	-
salary (hr * (salary/day)	24*283 =6,792.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	16*283 = 4,528.-	8*283 = 2,264.-
Total monthly expense	*6,897.-*	*4,578.-*	*4,828.-*	*4,903.-*	*5,028.-*	*5,278.-*	*4,528.-*	*2,264.-*
*Total monthly expense*12*	*82,764.-*	*54,936.-*	*57,936.-*	*58,836.-*	*60,336.-*	*63,336.-*	*54,336.-*	*27,168.-*
Total expense 2 years	*195,628.-*	*154,472.-*	*161,872.-*	*165,172.-*	*170,672.-*	*181,672.-*	*173,672.-*	*84,336.-*

* 2nd year has only monthly expense, ** These expense excludes hidden cost about low efficiency working *** These expense excludes recorder's maintenance