



WEBSERVER OPERATION MANUAL

## CONTENTS

#### 3 1 • BASICS

Introduction to Webserver

#### 4-8 2 • INSTALLATION/UNISTALLATION OF COMPONENTS

Uninstalling the Internet Information Service (IIS) Installing the Webserver Installation of GPRS Tool Into the Terminal

#### 9-14 3 • WEBSERVER OPERATIONS

Webserver Settings Monitoring the Terminal Activities User Management How to Check Transaction Logs from Fingertec Webserver How to Assign an Administrator to Webserver

#### 15-19 4 • MYSQL ODBC COMPONENTS

Installation of MySQL ODBC Allowing Port in Windows Firewall

#### 20-21 5 • SQLYOG COMMUNITY COMPONENTS

Installation of SQLYOG Community

#### 22-25 6 • DATA DOWNLOAD TO SOFTWARE FROM WEBSERVER

How to Download Data from Webserver into TCMSV2 Fingertec Terminals Employee Enrollments Transaction Logs

# 1 • BASICS

### Introduction to webserver

Fingertec Webserver is a basic web version of our TCMS V2 software. We highly recommend that you install the webserver into a PC that can double as a server. The designated PC will need to have a fixed IP address in order to transform into a workstation that links together the Fingertec terminals via GPRS or Internet. No IP address is required on any of the terminals as the terminals will search for any GPRS or Internet signal available to establish the connection.

Webserver installation is hassle-free as it contains only one single installation file, which are packed with all the necessary components for the software to work.

The information downloaded from the terminal will be stored in MySQL database. In order to retrieve information for time attendance calculation or reporting, you will need to link the TCMS V2 software to MySQL database. You can also fully utilize the information in the MySQL database by using your own software or application.

## 2 INSTALLATION/UNINSTALLATION OF COMPONENTS

### Uninstalling the internet information service (iis)

The Webserver Installer has its own built in Internet Installation Service (IIS). Thus, if you do not have any web-based program installed in the computer, it is recommended that you uninstall the IIS from your computer.

#### Note

If you have a web-based program running, you can leave the IIS ON but do ensure that the web-based program does not use the port 8080 which is recommended for the Webserver Port.

#### To uninstall the IIS, follow the steps below.

Go to Control Panel > Programs and Features > Select Turn Windows features on or off

Control Panel	All Control Panel Items      Programs and Features	✓ 4 Search Programs	and Features	×
Control Panel Home View installed updates Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and the	n click Uninstall, Change, or Repair.		
off	Organize 🔻		855 💌	0
	Name	Publisher	Installed On	Size
	AccelerometerP11	STMicroelectronics	27/6/2012	
	🝌 Adobe Acrobat XI Pro	Adobe Systems	11/8/2014	
	4 Adobe AIR	Adobe Systems Incorporated	11/8/2014	
	Adobe Flash Player 15 ActiveX	Adobe Systems Incorporated	10/9/2014	
	Adobe Reader XI (11.0.09)	Adobe Systems Incorporated	19/9/2014	
	Advanced Audio FX Engine	Creative Technology Ltd	27/6/2012	
	Cisco WebEx Meetings	Cisco WebEx LLC	1/9/2014	
	Citrix Online Launcher	Citrix	18/4/2014	
	Crystal Reports Basic Runtime for Visual Studio 2008	Business Objects	17/4/2014	
	BBF Repair Free 1.0	Recovery Toolbox, Inc.	10/6/2014	
	E Dell Backup and Recovery Manager	Dell Inc.	27/6/2012	

Ensure that all the IIS component is turned off (checked box is empty).



## Installing the webserver

Open the FingerTec Web Server folder. Right click on the Webserver setup file and select 'Run as Administrator'.

Name		Date modified
퉬 iclocksvr		19/9/2014 2:17 PM
👘 setup.exe	Open	10/11/2011 2 57 PM
	🚱 Run as administrator	
	<ul> <li>SkyDrive Pro</li> <li>Troubleshoot compatibility</li> </ul>	P.



This will prompt the installer to start the Webserver installation.

Click 'Next' to begin.

Read to understand the terms and conditions and select "I accept the agreement". Click 'Next' to proceed.

Setup will then create the shortcut in the Start Menu folder for easy access. Click 'Next' to proceed.





A new icon for FingerTec Web Server will be created on the desktop. Double click on the icon to start the FingerTec Web Server.

## Installation of GRPS tool into the terminal

You need to switch on the GPRS function first in the terminal before proceeding to use the Webserver in the PC.

#### Run the FTFunctionTool.exe.

Connect to the FingerTec terminal via LAN cable. Next, insert the IP address of the terminal and click 'Connect' to start.

Name	Date modified	Туре
FTSerialChanger.exe	26/3/2014 1:51 PM	Applica
FTSelect 485 use for R2C or RS485 connection.zip	4/6/2014 12:21 PM	WinRAF
FTSelect 485 use for R2C or RS485 connection.exe	28/8/2014 6:11 PM	Applica
FTMasterSlave.zip	18/9/2014 1:51 PM	WinRAF
FTH2iDel AlarmWav.exe	6/6/2014 2:48 PM	Applica
ETGPRSUpdate.zip	3/7/2014 3:18 PM	WinRAF
No FTFunctionTool.exe	30/6/2014 10:47 AM	Applica
FTFACE_800_Arabic.zip	31/7/2014 5:59 PM	WinRAF
👬 FTDevInfoWtFunc.exe	14/4/2014 2:48 PM	Applica
FTDevInfo.zip	7/6/2014 9:50 PM	WinRAF
👬 FTDevInfo.exe	22/11/2012 5:37 PM	Applica
FTCardUpdate.On.exe	5/1/2011 5:15 PM	Applica
FT35_800_Original.zip	14/7/2014 6:16 PM	WinRAF
FT35_600_UpdateH(if scanner cant work).zip	20/8/2014 4:34 PM	WinRAF

If connection to the terminal is successful, the information will be displayed at the window below the tool. Check the information to make sure that you are connecting to the correct terminal. Click on the GPRS Setting Tab on the tool.

Tick the checkbox to 'Update GPRS Setting so you can key in the details.

Below are a number of settings that you need to fill in first before proceeding to the next step.

General Acc	ess Control	Wifi Setting	GPRS Setting
Printer	ON 👻	SMS	ON 👻
Work Code	ON 💌	Mifare As ID	ON 🔻
USB Encryption	ON 🔻	DHCP	ON 🔻
User ID Length	9 👻	BioBridge Vx	9 -
Mifare FP No.	1 -	IP Address	192.168.1.201
Webster IP 192	168.1.201	Subnet Mask	255.255.255.0
Webster Port	80	Gateway	192.168.1.1
False Log	ON 👻	Ext Alarm Dela	y 0

APN: Get the APN from your service provider. Username: Get the Username from your service provvider. Password: Get the Password from your service provvider. Dial Number: You must insert \*99\*\*\*1# in the column Dial Number. This is a fixed value for Dial Number WebServer IP: Depends on your server address. WebServer Port: Recommended to set as 8080. You can use other ports as long as the port number does not clash with other applications.

FingerTec Ter Terminal	minal Function	ns Update Tool v2.0		- = x
Terminal IP : 1	92.168.1.51	Port : 4370 Comm Ke	y : 0	Update
Functions				
General	Acc	cess Control Vifi Setti	ing GPRS	Setting
Vpdate GPR	S Setting			
APN :	net	WebServer IP :	175.136.235.243	
🗌 Username :		WebServer Port :	8080	
Password :		Proxy Server IP :	192.168.1.201	Enable Proxy
Dial Number :	*99***1#	Proxy Server Port :	80	
Connected to 192. Product Name: TA2 Manufacturer: Fing Serial Numner: 320 SDK Version: 6.2.3 Firmware Version: V BioBridge Vx: 10	168.1.51 200 Plus erTec 7518 .8-3147-1 /er 6.60 Sep 23 2	2013		
Please select funct	ions and click "L	Ipdate" to update your terminal.		

Click 'Update' and 'Restart' for the new settings to take effect.

## **3**• WEBSERVER OPERATIONS

#### Webserver settings

The Webserver application allows administrators to communicate and to control all Fingertec Terminals in all operations.

Go to Start Menu > All Programs > Fingertec Webserver > Server Manager

At the Server Manager window, enter '8080' in the 'Port' field and click 'Start'. Once the status has indicated that it is 'running', you can proceed to save the setting.



Double click the Web Server icon on your desktop.

The Webserver Application allows administrator to communicate and control some of the terminals' operation.



General		
Web Server		
Port: F	3080	Check
Status: R	unni ng	
Start	Stop	Restart

FingerTec We	eb Server		
Username:	admin		
Password:	•••••	Ŷ	
	Log in	v3.1-131-1764	ł

The default username and password are both set to "admin". You can change the password after the first time login for tighter security.



The Webserver will always look for the nearest detectable terminal and connect to any Fingertec terminals available during start-up. The information retrieved from the terminals will be displayed on the Webserver homepage i.e. serial number, IP address, device name, total users and etc.

### Monitoring the terminal activities

At the Device Tab, select 'Transaction Monitor'. Administrator can monitor all the user's activities or the terminals immediately from this screen.

laintenance								Styl	e: • Table s	style 🔿 List style			Q
peration log	0 0	Operatio	on for selected										total
tion Monitor													
erial number	Device alias name	Status	Transfer time	Interval	Last activity	Fw version	Device name	User count	Fp count	Transaction count	Data	Department	
207518	192.168.1.51	Online	00:00;14:05	1	25/09 16:19	Ver 6.60 Sep 23 20	TA200 Plus	4	4	0	LEUCRF	1 FingerTec	-
						Annual							
		1											
to Refresh Ir	iterval: (s) 30												
Operations, Us	sually only for the on-li	ine device;											
	peration log ion Monitor erial number 207518 to Refresh In Operations, U	operation log o C ber Moniter 2017 Moniter 2017 Manuel Device alliss name 2017 Manuel Devi	oratiko log 0 Operati Jon Honitor 2007518 192.169.151 Online 192.169.151 Online	0     0     0 peration for selected ion Monitor       0     0     0 </td <td>or Refresh Interval: (5)39     Corections, Usable No. (5)39</td> <td>0     Operation for selected       2011 Monitor     0       2011 Monitor     1       2013 Monitor     1       2013 Monitor     0       2014 Monitor     1       2015 Monitor     0       2015 Monitor     0       2014 Monitor     1       2015 Monitor     0       2015 Monitor     0       2015 Monitor     0       2016 Monitor     0       2017 Monitor     0       2018 Monitor     0       2019 Monitor     0       201</td> <td>0       Operation for selected         2001 Memitor       2001 Memitor         2001 Memitor       2010 Memitor         2010 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor</td> <td>0       Operation for selected         2001 Monitor       Device allas name         Status       Transfer time       Interval: Last activity         FW version       Device name         207518       192,166.1.51       Online         00:00;14:05       1       25/09 16:19       Ver 6.60 Sep 22 2( Ta200 Plus         to Refresh       Interval: (5)[20      </td> <td>0       Operation for selected         2001 Monitor       0         2001 Monitor       1         2001 Monitor       1         2001 Monitor       1         2001 Monitor       0         2001 Monitor       1         2001 Monitor</td> <td>Operation log     Operation for selected     Monitor     Operation for selected     Monitor     Operation for selected     Monitor     Operation for selected     Monitor     Operation selected     Monitor     Monitor     Operation selected     Monitor     Mo</td> <td>O @ Operation for selected     Device allas name     Status     Transfer time     Interval     Last activity     Fw version     Device allas name     User count     Fp count     Transaction count     Z07518     192.168.1.51     Online     00:00:14:05     I     Z5/09 16:19     Ver 6.69 Sep 22 2(     TA200 Plus     4     4     0      Control     Contro     Control     Contro     Contr</td> <td>o o depresión log o o depresión for selected lon Monitor en al anumber Device allas name Status Transfer time Interval Last activity Por version Device name User count Pp count Transaction court Data 207518 192,168,1.51 Online 00:00;14:05 1 25/09.16:19 Ver 6:60 Sep 23.21 TA200 Plus 4 4 0 LEU CRF to Refresh Intervat: (s)[30]</td> <td>Operation log     Operation for selected     Interval     (a)     Operation     O</td>	or Refresh Interval: (5)39     Corections, Usable No. (5)39	0     Operation for selected       2011 Monitor     0       2011 Monitor     1       2013 Monitor     1       2013 Monitor     0       2014 Monitor     1       2015 Monitor     0       2015 Monitor     0       2014 Monitor     1       2015 Monitor     0       2015 Monitor     0       2015 Monitor     0       2016 Monitor     0       2017 Monitor     0       2018 Monitor     0       2019 Monitor     0       201	0       Operation for selected         2001 Memitor       2001 Memitor         2001 Memitor       2010 Memitor         2010 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor         2011 Memitor       2010 Memitor	0       Operation for selected         2001 Monitor       Device allas name         Status       Transfer time       Interval: Last activity         FW version       Device name         207518       192,166.1.51       Online         00:00;14:05       1       25/09 16:19       Ver 6.60 Sep 22 2( Ta200 Plus         to Refresh       Interval: (5)[20	0       Operation for selected         2001 Monitor       0         2001 Monitor       1         2001 Monitor       1         2001 Monitor       1         2001 Monitor       0         2001 Monitor       1         2001 Monitor	Operation log     Operation for selected     Monitor     Operation for selected     Monitor     Operation for selected     Monitor     Operation for selected     Monitor     Operation selected     Monitor     Monitor     Operation selected     Monitor     Mo	O @ Operation for selected     Device allas name     Status     Transfer time     Interval     Last activity     Fw version     Device allas name     User count     Fp count     Transaction count     Z07518     192.168.1.51     Online     00:00:14:05     I     Z5/09 16:19     Ver 6.69 Sep 22 2(     TA200 Plus     4     4     0      Control     Contro     Control     Contro     Contr	o o depresión log o o depresión for selected lon Monitor en al anumber Device allas name Status Transfer time Interval Last activity Por version Device name User count Pp count Transaction court Data 207518 192,168,1.51 Online 00:00;14:05 1 25/09.16:19 Ver 6:60 Sep 23.21 TA200 Plus 4 4 0 LEU CRF to Refresh Intervat: (s)[30]	Operation log     Operation for selected     Interval     (a)     Operation     O

The activities includes new user enrolment, verification of users, clocking status and etc. will be displayed here.

FingerTec Web Se	erver					Welcome, admin. / Change password / Log out v3.1-131-176	4 Language 💌
Device Data Syste	em						
17:39:09:no new records	ls						
Time De	evice	Event	PIN/ID	Param1	Param2		
25/09/14 18:39:07 32	07518(192.168.1.51)	Password: Check in	000000005		255		
25/09/14 18:38:54 320		Password: Check in			255		
25/09/14 18:38:51 320	07518(192.168.1.51)	registration fingerprint: 5					
25/09/14 18:38:50 320	07518(192.168.1.51)	registration of new users: 5					
25/09/14 18:38:39 320	07518(192.168.1.51)	enter the menu					
25/09/14 17:17:09 320	07518(192.168.1.51)	start up					
25/09/14 17:16:47 320	07518(192.168.1.51)	shutdown					
25/09/14 17:16:45 320	07518(192.168.1.51)	change settings: 352					
25/09/14 17:16:44 320	07518(192.168.1.51)	change settings: 351					
25/09/14 17:16:43 320	07518(192.168.1.51)	change settings: 350					
25/09/14 17:16:42 320	07518(192.168.1.51)	change settings: 349					
25/09/14 17:16:41 32	07518(192.168.1.51)	change settings: 348					
25/09/14 17:16:40 32	07518(192.108.1.51)	change settings: 347					
25/09/14 17:16:39 32	07518(192.108.1.51)	change settings: 331					
25/09/14 17:16:38 32	07518(192.108.1.51)	change settings: 303					
25/09/14 17:16:37 32	07516(192.106.1.51)	change settings: 302					
25/09/14 17:16:00 32	07518(192.168.1.51)	enter the menu					
25/09/14 17:15:32 32	07518(192 168 1 51)	start un					
25/09/14 17:15:11 32	07518(192.168.1.51)	shutdown					
25/09/14 17:15:08 32	07518(192,168,1.51)	change settings: 352					
25/09/14 17:15:07 320	07518(192,168,1.51)	change settings: 351					
25/09/14 17:15:06 320	07518(192.168.1.51)	change settings: 350					
25/09/14 17:15:05 320	07518(192.168.1.51)	change settings: 349					
25/09/14 17:15:04 32	07518(192.168.1.51)	change settings: 348					

### User management

Newly enrolled users will be downloaded into the Webserver immediately. If enrolment is done before the Webserver is switched on, the download process will resume once it is switched on. Therefore, the administrator does not need to download any users manually from the terminals.

#### Go to Data tab and Select Employee.

Fing	erTec Web S	Server						Welcome, a	<b>imin</b> . / Chang	e password	/ Log out v3.1-131-1	764	Language -	~
Devic	e Data Sys	tem	_											
De	Department								Style	a: Table s	style O List style			Q.
0	pp Employee		erati	on for selected										total 1
Filt	Transaction	5												
	Serial number	Device alias name	Status	Transfer time	Interval	Last activity	Fw version	Device name	User count	Fp count	Transaction count	Data	Department	
	3207518	192.168.1.51	Online	00:00;14:05	1	25/09 17:53	Ver 6.60 Sep 23 20	TA200 Plus	5	5	2	LEUCRF	1 FingerTec	
	Auto Refrech	nterval: (s)30	1											
	Auto Kerresii D	interval. (3)/50												
Tip														
	Operations, U After operatio	sually only for the on-i n on the device, It's wi	ine device Il take effe	; ect after about hal	f minute.									

Webserver will then connect to all terminals to download the user information. This process is fully automatic.

				Table style 🔾 List style	Style: ()											
															loyee	Em
											ed	Operation for select	r All Selected: 0	end @Clear	cport OApp	<i>e</i>
										sh time	refre	tration device 🔍	t 🔍 sex 🔍 regis	department	r By: 🔍	Filte
ions Pict	Transactions	Left	FP	Registration device	Id card	Mobile	Office phone	Title	Nationality	Birthday	Sex	department name	e department number	Emp name	Pin	
	view	No	1	3207518(192.168.1.5								FingerTec	1		00000005	
	view	No	1	3207518(192.168.1.5								FingerTec	1		000000004	
	view	No	1	3207518(192.168.1.5								FingerTec	1		00000003	
	view	No	1	3207518(192.168.1.5								FingerTec	1		000000002	
	view	No	1	3207518(192.168.1.5	7532956							FingerTec	1		00000001	
	view view view view	No No No No No	1 1 1 1 1	3207518(192.168.1.5 3207518(192.168.1.5 3207518(192.168.1.5 3207518(192.168.1.5 3207518(192.168.1.5	7532956	Piopine		THE		<b>Di tituty</b>	Jex	FingerTec FingerTec FingerTec FingerTec FingerTec	1 1 1 1 1 1		000000005 000000004 000000003 000000002 000000001	

Click the User ID to edit his/her additional information.

	Pin	Emp name	department number	department name	Sex	Birthday	Nationality	Title	Office phone	Mobile	Id card	Registration device	FP	Left	Transactions	Picture
	000000005		1	FingerTec								3207518(192.168.1.5	1	No	view	
	000000004		1	FingerTec								3207518(192.168.1.5	1	No	view	
2	00000003	-	1	FingerTec								3207518(192.168.1.5	1	No	view	
	000000002		1	FingerTec								3207518(192.168.1.5	1	No	view	
	00000001		1	FingerTec							7532956	3207518(192.168.1.5	1	No	view	

The user information is optional. However, do take note of the user's "Privilege". There are a few levels of privilege in our Fingertec Terminals, which are normal, registrar, administrator and supervisor (do check the different privileges in the hardware user manual).

cilipioyee			
PIN:	00000003		
Department:	1 FingerTec	~	÷
Emp Name:	Frankie Nielson		
Password:	abcd1234567		
ID Card:	56789210		
Privilege:	Administrator	~	
Access Group:	1		
Access Timezone:	0000000000000000		
Sex:	Male	~	
Birthday:	1976-09-26		Today   🗍 Date format is "ISO"; for example : 1999-01-10/199
Address:	Malaysia		
Postcode:	47180		
Office phone:	03-79821233		
Home phone:	03-79821238		
Mobile:	60121234567		
Nationality:	Malaysia		
Title:	Manager	×	
Registration device:	3207518(192.168.1.51)	~	

Click Submit so that the changes will take effect on the terminals.

Administrator can also transfer users to another terminal without re-enrolment. Select the users that you wish to transfer to another terminal. Under the 'Operation for selected' tab, select 'Transfer employee to the device' to start the process.

ø₽E ilte	cport OApp	end GClear /	All Selected: 1	Operation for selected										tot
	Pin	Emp name	department numt	Transfer employee to the device	Nationality	Title	Office phone	Mobile	Id card	Registration device	FP	Left	Transactions	Picture
	000000005		1	Delete employee from the device						3207518(192.168.1.5	1	No	view	
•	000000004		1	Move employee to a new device						3207518(192.168.1.5	1	No	view	
	00000003		1	Change employee's department						3207518(192.168.1.5	1	No	view	
	000000002		1	Enroll employee's fingerprint						3207518(192.168.1.5	1	No	view	
	00000001		1	FingerTec					7532956	3207518(192.168.1.5	1	No	view	

You will be prompted a window requesting you to select the device where you wan to transfer the employee to. Select the serial number and click Submit to proceed.

Transfer employee to the device							
Plea	ase Select device:						
	3207518 (192.168.1.51)						
	Submit Cancel						

# How to check transaction logs from fingertec webserver

The Fingertec Web Server will automatically download transaction logs from all the terminals that have been connected during start up.

In order to check the transaction logs, click on 'Data' and select 'Transaction'.

Finge	rTec Web S	Gerver						Welcome, a	dmin. / Chang	e password	/ Log out v3.1-131-1	764	Language -	•
Device	Data Sys	tem	_											
Devi	C Department		arati	on for selected					Styl	e: • Table :	style 🔿 List style			Q total 1
Filter	Transaction			on for selected										
	Serial number	Device alias name	Status	Transfer time	Interval	Last activity	Fw version	Device name	User count	Fp count	Transaction count	Data	Department	
	3207518	192.168.1.51	Online	00:00;14:05	1	26/09 14:43	Ver 6.60 Sep 23 20	TA200 Plus	5	5	2	LEUCRE	1 FingerTec	
I A	uto Refresh II	nterval: (s)30	]											_

All the transaction logs will be then be displayed on this window. These logs will be stored directly into the MySQL Database.

FingerT	Tec Web Ser	ver			Welcome, adn	Language	×			
Device	vevice Data System									
Transa	Transaction Style: Table 2nd of Jate Colorado Concentration Concentration Concentration									
Filter B	Pitcpard         Object         Operation for selected         total 2           Filter hy:         Gemployee         United Selected         total 2									
	dex PIN	EName	Time	State	Verification	Work code	Reserved	Device	Picture	
2	000000	105	25/09/14 18:39:07	Check in	Password	0	255	3207518(192.168.1.51)		
1	000000	105	25/09/14 18:38:54	Check in	Password	0	255	3207518(192.168.1.51)		
										_

### How to assign an administrator to webserver

An administrator can assign administrator privilege to other users of the Webserver. In order to do so, go to 'System Tab' and select 'User'.

FingerTec Web Se	erver			We	Welcome, admin. / Change password / Log out v3.1-131-1764				
Device Data Syste	m								
OAppend Clear All	Selected: 0 Operation	for selected					total 1		
Username	E-mail address	Last name	First name	Activate	Supervisor	granted department	Groups		
admin	admin@fingertec.com			٥	0				

Select 'Append' to add a new administrator to the list.

					Wel	Welcome, admin. / Change password / Log out v3.1-131-1764				
vice Iser OApper	and Clear A	II Selected: 0 Operation	for selected					tot		
Us	sername	E-mail address	Last name	First name	Activate	Supervisor	granted department	Groups		
adr	Imin	admin@fingertec.com			0	0				

#### Fill in the relevant information and click 'Submit'.

Username:	Elaine	
	Required. 30 characters or fewer. Alphanumeric characters only (letters, digits and un	derscores)
Password:	*****	
Password again:	•••••	
First name:	Elaine	
Last name:	Hullerton	
E-mail address:	elain.hullerton@fingertec.com	
Staff status:		
	Designates whether the user can log into this admin site.	
Superuser status:		
	Designates that this user has all permissions without explicitly assigning them.	

# 4 • MYSQL ODBC COMPONENTS

### Installation of MYSQL ODBC

Prior to using the TCMSv2 software to import data from the webserver, you must first install the MySQL ODBC in order to connect with the software required.

Open the MySQL ODBC folder. Double click on the setup file to run it.

Name	Ŧ	Date modified	Туре
谩 MyODBC-standard-3.51.9-win.msi		29/7/2011 3:57 PM	Windows Installer

This will prompt the installer to start the Webserver installation.



Click 'Next' to begin.

Read and understand the terms and conditions for the software. Once you have completed this task, you may then select "I accept the license agreement". Click Next to proceed.



## Allowing port in windows firewall

In order for TCMS V2 to import data from Webserver, you will need to provide access to port 43306 in the system.

Go to Control Panel on your computer and look for the 'Windows Firewall' program.

Adjust your computer's settings		View by: Small icons 🔻
🏲 Action Center	administrative Tools	To AutoPlay
🐌 Backup and Restore	Color Management	Credential Manager
Date and Time	🛞 Default Programs	📑 Desktop Gadgets
🚔 Device Manager	dia Devices and Printers	🜉 Display
Ease of Access Center	Flash Player (32-bit)	Folder Options
K Fonts	🕼 FreeFall Data Protection	🚽 Getting Started
neGroup	🔒 Indexing Options	Maintel(R) Graphics and Media
🌮 Intel(R) My WiFi Technology	🛜 Intel® PROSet/Wireless Tools	😒 Internet Options
Expoard Expoard	🖾 Location and Other Sensors	Mail (Microsoft Outlook 2013)
Mouse	👯 Network and Sharing Center	🔜 Notification Area Icons
arental Controls	Performance Information and Tools	Personalization
I Phone and Modem	Power Options	Programs and Features
🔊 Realtek HD Audio Manager	P Recovery	🔗 Region and Language
RemoteApp and Desktop Connections	4 Sound	Speech Recognition
🔞 Sync Center	🕎 System	🛄 Taskbar and Start Menu
Troubleshooting	🚨 User Accounts	🥰 Windows Anytime Upgrade
📑 Windows CardSpace	iiii Windows Defender	Indows Firewall
Windows Mobility Center	Windows Update	

Select 'Advanced Settings' on the left side of the menu.

Control Panel Home	Help protect your computer wit	n Windows Firewall
Allow a program or feature through Windows Firewall	Windows Firewall can help prevent hacker through the Internet or a network.	s or malicious software from gaining access to your computer
Change notification settings	How does a firewall help protect my com	outer?
Turn Windows Firewall on or	What are network locations?	
off Restore defaults	Home or work (private)	networks Not Connected 📎
Advanced settings	Public networks	Connected 📀
Troubleshoot my network	Networks in public places such as airport	s or coffee shops
	Windows Firewall state:	On
	Incoming connections:	Block all connections to programs that are not on the list of allowed programs
	Active public networks:	PUC Founder
	Notification state:	Notify me when Windows Firewall blocks a new program
See also		
Action Center		

In order to add the port, click on 'Inbound Rules'. This will then display a list of options, select the 'New Rule' tab to move on to the next step.

PWindows Firewall with Advances	d Security			and the second sec		
File Action View Help						
🗢 🔿 🖄 🖬 🔒 📓 🖬						
Windows Firewall with Advance	Inbound Rules					Actions
Inbound Rules	Name	Group	Profile	Enabled	Acti ^	Inbound Rules
Connection Security Pulse	O AVG Installer		Public	Yes	Allo =	AT New Rule
Monitoring	AVG Installer		Public	Yes	Allo	V Filter by Profile
P and the first of the	FingerTec FaceID2 Update		Public	Yes	Allo	Pricer by Prome
	G FingerTec FaceID2 Update		Public	Yes	Allo	
	🔇 FingerTec FaceID2 Update FEM800		Public	Yes	Allo	▼ Filter by Group
	SingerTec FaceID2 Update FEM800		Public	Yes	Allo	View +
	SingerTec FaceID2 Update FEM800			Yes	Allo Ref	Refrech
	SingerTec FaceID2 Update FEM800		Public	Yes	Allo	
	SingerTec FaceID3		Public	Yes	Allo	Export List
	SingerTec FaceID3		Public	Yes	Allo	Person Help
	SingerTec Firmware Update		Public	Yes	Allo	FingerTec FaceID2 Undate
	V FingerTec Firmware Update		Public	Yes	Allo	Diskla Dala
	V Finger Lec Firmware Update		Public	Yes	Allo	Disable Rule
	U Finger lec Firmware Update		Public	Yes	Allo	🦧 Cut
	Chinger Lec Firmware Update		Public	Yes	Allo	Сору
	CingerTec Firmware Opdate		Public	Ver	Allo	X Delete
	G FingerTec Firmware Undate		Public	Ver	Allo	Properties
	S Finger Tec Firmware Undate		Public	Vec	Allo	Fiopenies
	G FingerTec Firmware Update		Private	Yes	Allo	Melp Help
	G FingerTec Firmware Update		Private	Yes	Allo	
	S FingerTec Firmware Update		Public	Yes	Allo	
	S FingerTec Firmware Update		Public	Yes	Allo	
	O FingerTec Firmware Update		Public	Yes	Allo	
	SingerTec GPRS Firmware Update		Public	Yes	Allo	
	SingerTec GPRS Firmware Update		Public	Yes	Allo	
	SingerTec IKiosk100Plus Update		Public	Yes	Allo	

#### Select 'Port' and Click 'Next'.

Pow Inbound Rule Wizard	×
Rule Type Select the type of firewall rule to o	zede.
Steps: Plule Type Protocol and Pots Action Profile Name	What type of rule would you like to create?            • Program         Rule to controls connections for a program.         Rule that controls connections for a CP or UDP pot.         • Prodefined         Ranch Acte Contert Retrieval (Uses HTTP)         Ranch Acte Contert Retrieval (Uses HTTP)         Rule that controls connections for a Windows experience.         • Cated         Cated         Rule that controls connections for a Windows experience.         Cated         Rule that controls connections for a Windows experience.         Let more about twe types         Letmore about twe types

Key in '43306' at the 'Specific Local Ports:' field.

Prew Inbound Rule Wizar	d 📃 其
Protocol and Ports Specify the protocols and ports	to which this rule applies.
Steps: Pule Type Protocol and Pots Action Profile Name	Does this rule apply to TCP or UDP?
	Learn more about protocol and posts < Back Next > Cancel

You may then click 'Next' for the consequent (Action and Profile tabs) on-screen instructions.

Name		
Specify the name and description	this rule.	
Steps:		
Rule Type		
Protocol and Ports		
Action		
Profile	Name:	
Name	Webserver	
	Description (optional):	

When you have reached the final step ('Name' tab), key in your desired Port name as prompted. Complete the setup by clicking on the 'Finish' button.

## 5 • SQLYOG COMMUNITY COMPONENTS

### Installation of Sqlyog Community

To install SQYOG, follow the on screen instructions.



## **Step 4:** Click 'Finish' to complete the installation of SQLyog Community.

Once the installation is complete, double click on the SQLYog icon on the desktop. Key in the credentials as per below.

SQLyog Community 9.63 Se	up       Image: Completing the SQLyog Community 9.63 Setup Wizard         SQLyog Community 9.63 has been installed on your computer.         Click Finish to close this wizard.         Idek Finish to close this wizard.         Image: Run SQLyog Community 9.63
	< Back Finish Cancel

New         Clone         Save         Rename         Delete           Saved Connections         New Connection         MySQL HTTP         New Connection         MySQL HTTP         MySQL HTTP         New Connection         New Connection
Saved Connections           New Connection           MySQL HTTP         SSH         Advanced           MySQL Host Address         localhost           Username         root
MySQL Hott Address localhost Username root
MySQL Host Address localhost Username root
Username root
Password Save Password
Port 43306
Database(s)
(Separate multiple databases with a semicolon ';' . Leaving Database(s) blank will display all databases)
Use Compressed Protocol ?
WORKS WITH Session Idle Timeout
Musque, Default © 28800 (seconds)

Click on icdat on the left window and key in the following command (GRANT ALL ON \*.\* TO 'webserver'@'%' IDENTIFIED BY 'webserver'; FLUSH PRIVILEGES;) on the right window to allow the webserver login.

After that, click on the double arrow to start the command.



Once you have performed all the installations as instructed, you may then proceed to TCMS V2 to download the data.

## 6 • DATA DOWNLOAD TO SOFTWARE FROM WEBSERVER

# How To Download Data From Webserver Into TCMS V2

Launch the TCMSV2 software and click on the 'Devices' tab. From there, select the 'Fingertec Webserver database management' option.

System Settings	Devices	Employees	Attendance	History	Reports	Manual	New Release	Wizard	exit
	Bevices     The following     FRS data     FRS data     FrD data     Webster d     Frogerie     Setu	g terminal control erroc terminal asse server man abases server man tabases server mar tabases server mar tabases server mar tabases server mar tabases server mark WebServer datal	functions are av gement anagement base management base management type of FingerTr this computer.	c terminals that					

You will be prompted with the window as per below screenshot. Key in the credentials as per below.

Fingertec Webserver: Key in the IP address of the server and the location of the Webserver's installation.

Username: webserver Password: webserver

After filling up the required fields, click 'Login'.

Specify the server host na database is installed. Logi employee name and autho	ime or its IP address where the to the server host using the rized password.	he Finge databas	rTec We se's defa	ebServer ault
FingerTec WebServer	localhost	•	Port	43306
ODBC driver	MySQL ODBC 3.51 Driver			-
Description				
Database	icdat			
Username	webserver			
Password	*******			

## **Fingertec Terminals**

At the first tab, click on the 'Lightning' icon. This will then display the terminal model type and other related details. Click on 'Synchronize terminal' to complete the process.

🛃 Fii	ngerTec WebSe	rver Database Server N	fanagement		x
Finge	rTec Terminals	Employee Enrollments	Transaction Logs		
¢	7				
N	o. Model	Serial No.	IPAddress	Valid	 ^
E					
	_				
					-
	1	<u> </u>			-
		Synchro	nize Terminal		

🐣 Fing	erTec WebSe	erver Database Server	Management		×
FingerTe	ec Terminals	Employee Enrollment	s Transaction Logs		
0					
	1				
No.	Model	Serial No.	IP Address	Valid	<u>^</u>
	1 TA200 Plus	3207518	192.168.1.51	<b>v</b>	
-					.
				_	
	-				
				-	
	-		<u>(</u> -		
					_
				_	-
1					
		C Reach	and an Transford		
		Synch	ronize terminal		
_					

## **Employee Enrollments**

Go to the 2nd tab, and repeat the same step. Click on the 'lightning' icon and you will be able to see a list of employees that have already enrolled. In order to complete the process, click on 'Synchronize Terminal'.

gerte	c Terminals [EM	Dioyee Enrollments	ion Logs						
	Department	Employee ID	0			1	Select	t this page	
No.	Employee ID	Name	Emp No.	Department	Section	Employee Name	Valid	Select	
						-	_		
						_			
Sele	ct all pages	Synchronise TCMS	/2						
ing	erTec WebServer	Database Server Manageme	ent						
nnerTi	ac Terminals Eff	plovee Enrollments	tion Loos						

		•					Selec	t this page	
No.	Employee ID	Name	Emp No.	Department	Section	Employee Name	Valid	Select	-
1	000000001			FingerTec			1		
2	00000002			FingerTec			<b>V</b>		
3	00000003			FingerTec			<b>V</b>	[ <sup>1</sup> ]	
4	00000004			FingerTec			<b>V</b>	(T)	
5	00000005			FingerTec			<b>V</b>		
									_
									_
									-
									-
									-
				-					-
				-					-
				3				-	-
				5	1			· ·	-
				5					-
				7					 -
						-			-
_				1		1	1		-
1									
Sele	ct all pages	Synchronise TCMSv2	1						
		-	9						

## **Transaction Logs**

Before shifting to the 3rd tab, close the window and proceed to the Devices tab. Activate the terminal before going into the 3rd tab.

You are about to activate the the terminal. You can do so online) or with the Activation no Internet connection).	e selected terminal to enable the downloading via Internet online activation (by generating the Key (obtained from local reseller or FingerTer	of clocking data from Activation Key c support if there is
I want to generate the A	Activation Key online with these details:	
Product Key	V9TQ - G6AJ - RYS7	
Serial No.	3207518	
L	ost your product key/serial number? Contact suppor	t@fingertec.com for hel
I want to proceed with	the Activation Key I have obtained.	
Activation Key		
Visit our website v	vww.fingertec.com for international warranty	registration.
	Apply	Close

Proceed to the Fingertec Webserver database management and go to the 'Transaction Logs' tab.

Next, click on the 'Lightning' icon and click 'Download' to download all logs from the terminal.

erTec T	erminals	Employee Enrollme	ents Transaction Logs					
View new transaction since last download View from 01/09/2014 00:00 100-30/09/2014 23:59 100-				Last downloaded transaction log ID:     Select Department:				
No.	Log ID	Employee ID	Name	Employee Name	Serial No.	Log Time	Workcode	
1	1	00000005			3207518	25/09/2014 18:38	00	
2	2	00000005			3207518	25/09/2014 18:39	00	÷
				-				
				-				
-		-						
				-				
								0
							1	

With the settings above done, you are now ready to use TCMSv2 to manage the employee's attendance.

© 2014 Timetec Computing Sdn Bhd. All rights reserved.• 102014