



SAUTER EY-TC505F110 Facility Touch Client software Commissioning

Manual D100238860

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1 Preface

What is Facility Touch Client?

Facility Touch Client (FTC) is a software product for Windows systems that can be used as a web client in the kiosk mode. The software is used to operate moduWeb Vision.

The following functions are covered by this software:

- · Presentation of web content without an additional web browser
- Presentation in full screen mode
- Kiosk mode
- Virtual keyboard for different languages
- Optimisation for touch operation (scrolling & drop-down)
- Automatic restart of the web visualisation
- Auto-login with default user
- Centralised commissioning with CASE Sun and Touch Configuration Manager (TCM)

2 About this manual

2.1 Purpose of the manual

This manual is intended for authorised SAUTER employees who commission the Facility Touch Client.

To understand the manual, a certain degree of knowledge of building technology, HVAC installations, control technology and information technology (IT) is required.

It is assumed that the building technology system has been installed and commissioned by SAUTER specialists.

2.2 Trademarks

Windows, Windows 7, WES7 and Windows 8.1 are registered trademarks of Microsoft Corporation.

2.3 Abbreviations

Abbreviation	Term
CASE	Computer-aided SAUTER engineering
FTC	Facility Touch Client
HTTPS	Hypertext transfer protocol secure
ΙТ	Information technology
PC	Personal computer
SIS	Safety Instrumented System
ТСМ	Touch Configuration Manager
ТСР	Transmission Control Protocol
UDP	User Datagram Protocol
USB	Universal Serial Bus

2.4 Symbols used in this manual



This symbol warns of hazards that may arise as a result of incorrect or careless operation of the system.



This symbol refers to additional information that may be helpful for the manual.

3 Safety information

Intended use

Fr. Sauter AG accepts no liability for any damage caused by the improper installation of FTC.

4 Product structure

• EY-TC505F110 Touch Client software for Windows

This software is an accessory of moduWeb Vision.

- EY-WS500F005 moduWeb500 hardware
- EY-WS505F010 moduWeb Vision software for 800 data points, 75 plant schematics, 25 users
- EY-WS505F020 moduWeb Vision software for 2500 data points, 250 plant schematics, 100 users

moduWeb500 will only run after one of the two moduWeb Vision software variants (EY-WS505F010/F020) has been installed and licensed.

Additional options can be released via optional licences:

- EY-WS505F011 upgrade from EY-WS505F010 to 2500 data points, 250 plant schematics, 100 users
- EY-WS506F100 moduWeb Vision Touch option, incl. various resolutions

The installation and licensing of the software is usually carried out by SAUTER or by a SAUTER system partner. Please contact the party responsible for the installation if, when you open FTC, an information page about missing software or a missing license is displayed instead of the start page.

5 Further documentation

Manual for moduWeb Vision Revision D	7010083001 7010083002 7010083003
	1010000000

Installation

6 Installation

6.1 Requirements of the target system

Operating system	Windows 7, WES7, Windows 8.1
Resolution	800 x 600 pixels or more
Processor	1.6 GHz Intel Atom
RAM	512 MB
Hard disk memory	300 MB free memory space
Network	1 x 100 Mbit Ethernet
Authorisation for installing and updating with CASE Sun	Administrator
Authorisation for use	Network Configuration Operator

6.2 Preconfiguration of the target system

Configuration of an user account that has the necessary authorisation and that is logged in automatically when the system is started.

6.2.1 Security

The use of security products such as firewalls and anti-virus software is recommended. The following ports are enabled during the installation of the standard Windows firewall and must also be configured if there is an additional firewall:

Port 443 TCP	HTTPS protocol for the configuration with TCM
Port 5353 UDP	Bonjour service for the device identification with CASE Sun
Port 5626 TCP	Web services for the configuration with CASE Sun



In order to ensure the full functionality of the FTC, the above-mentioned conditions must be fulfilled.

6.3 Installation procedure

PREREQUISITES:

- Login user with administrator rights.
- Installation software is available locally in the target system or via an external memory medium (e.g. USB stick).

PROCEDURE:

- 1. Start the installation software.
- 2. Follow the instructions of the installation wizard.
- 3. Start FTC via the link on the desktop or from the start menu.

Installation



If the Touch PC has more than one network card, one of these network cards must be selected when FTC is started for the first time. This network interface can then be configured via CASE Sun.

7.1 With CASE Sun and CASE TCM (Touch Configuration Manager)

The touch panels on which FTC is installed and connected with the network are found by CASE Sun and appear in the device list.

7.1.1 Network configuration

The network configuration of FTC is performed in CASE Sun. CASE Sun detects the devices on which FTC is running.

CASE Sun																			0 X
File Devices To	ols Help																		
🔅 🐨 Device filter	• 😹 🗶																		
E- 8 LAN (24)			Tune	ON Dead of	a Secial cumber		Host operation	PACout ID	PACent DOI	DATIons Challen	Location	Ourseal date	PN revision	MW caulation	Some are index		Denice procerties		×
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CASE Sun identifies and lists all the devices with FTC.

Configuration

7.1.2 CASE Touch Configuration Manager

- 1. Click on one of the listed devices with the right mouse button.
- ➡ The following menu opens:



2. Select "CASE Touch Configuration Manager" to proceed.

										D. Truck Development	
o; St	tate	Screen type	Name	Location	IP	Link state	Server link	Client profile		Scroop citor	12 22"
										Besolution:	1024 x 768
	~	16.32"	100210314		10.15.141.42				0.0.0	Name:	Touch-Sauter
_	~	17.69"					W\$500-ZP3			Location:	05.03.12
	÷	1440 x 900	SBA014168	Buro ALR-2P 06.03.08	10.15.140.75	V	10.15.140.198	Touch 17.69° on mWV ZP3/Binary input	C. C. 39	IP:	10.15.143.148
	<u> </u>		WES7		10.15.144.158	\$			Q Q 🧐	Link state:	invalid server configured
~	¥	13.33"	Touch-Sauter	05.03.12	10.15.143.148	72	CS33-mWV-1	Touch OASW	0.0.4	Firmware:	1.0.0RC1
		1024 x 768			}	T	10.15.141.206 Buero:TE:Visualisierung	-		OS:	Microsoft Windows Embedde
	÷	1280 x 1024	93c98bf6-c041-4		10.15.140.58	ւ.	10.15.143.73	Touch	<u>©;</u> ©; 39	MAC-Address:	00:22:4D:AD:1D:33
										Visualization con	iguration
										Host name:	CS33-mWV-1
										Server	10.15.141.206
										SW-Product:	EY-WS505F020
										Serial Nr.:	000001136238
										Location:	05.03.12 SUD
										Client profile:	Touch QASW
										Entry node:	Time to show
										Designed for scre	13.33"
										Designed for resc	1024 x 768
										Auto login user:	testta71
										Touch Client App	configuration
										Admin password:	passwd
										Keyboard layout:	auto

CASE TCM lists the existing Touch Clients and their details.

There are two ways of starting the configuration wizard:

Assigning multiple FTCs to a moduWeb Vision

- 1. Use the checkboxes to select, from the list, all the FTCs that you want to connect with a moduWeb Vision.
- 2. Press the 💐 button
- **The following selection menu opens:**

Select all
Deselect all
Commissioning of touch clients
Lock screen
Unlock screen
Load start page
Refresh selected entries

3. In the selection menu, choose "Commissioning of touch clients".

Assigning a single FTC to a moduWeb Vision

- 1. Press the Q button in the same row.
- The configuration wizard opens.

7.1.3 Configuration wizard

Carry out the next six steps in the wizard:

1. Select the moduWeb Vision server.

Server link	Autoentication	client profile	Auto log	un Advanced settu	
oose the server device f					igs Download
	for the selected touch client.				
Host name	Location	IP	.▲ Serv	er type S	erial number
mWV-BOU-1	05.02.15_BOU	10.16.249.90	EY-V	VS505F020	00000751235

Configuration

2. Login to moduWeb Vision with the administrator password to obtain the projectrelated user list and profile list.

Server link	Authentication	Client profile	(1) Auto login	G Advanced settings	Download
login as admin required.					
Name: admin					
Password: ••••••					

3. Use Drag&Drop to assign the client profile to the FTC.

Server link	Authenticatio	on	3 Client profile		Auto la	igin	Advanced settings	Download
g and drop a client	profile for each touch cli	ent.						
lame	Designed for	*	Client profile		Name	Location	Screen type	IP
Standard	15° 1280 × 1024		H_1920x1200	×	SBA015066		23.58° 1920 × 1200	10.16.143.249
Desktop-Like	15° 930 x 788							
√_1200x1920	23.58° 1200 x 1920							
H_1920x1200	23.58° 1920 x 1200							
Finy Bar	4.3" 800 x 600							
Floor_1	5" 800 x 1200							
Floor_2	5" 800 x 1200							
Floor_3	5" 800 x 1200							
vertical	5" 800 x 1200							

4. Assign an user to the auto-login functionality.

0	0	3		4	6		-0-
Server link	Authentication	Client profile		Auto login	Advanced se	ttings	Download
and drop an user a	account to activate auto login of	the touch client to server.					
Jser name	Role 🔺	Auto login user		Name	Location	Screen type	
pecialist	Specialist	user	×	SBA015066		23.58" 1920 x	1200
Jser	User						
loor1	User						
loor2	User						
loor3	User						
guest	Guest						

5. Define the administrator password and assign the preferred language setting to the virtual keyboard.

0	0	3	0	5	0
Server link	Authentication	Client profile	Auto login	Advanced settings	Download
oose the settings applied	d to all selected touch clients.				
Set new admin passwor dmin password:	rd for all touch clients passwd				
Activate virtual keyboar	d				
elect keyboard layout:	Auto 💌				

With the administrator password the user can view the configurations on the touch panel and close the FTC application.

0



6. Load the configuration.



FTC is loading.

Server link	a Aut	(2) hentication	3 Client profile		4uto login	Advanced sett	ings	6 Download
nfiguration dow	vnload. All touch cli	ents will be linked to	the server: 10.16.24	9.90				
Client profile	Auto login user	Admin password	Keyboard layout	Name	Location	Update progress 1/1 completed		
H_1920x1200	user	passwd	Auto	SBA015066				Installed

The configuration is applied immediately after the successful completion of loading. The configured content is loaded.

0

7.1.4 Blink mode

A blink mode is built into the FTC. It identifies the different touch panels in the list. The blink mode is activated or deactivated in CASE Sun.



7.2 Configuration on the device

The login mask appears if you are not logged into a moduWeb Vision or no autologin is configured.

1. Select the [Settings] button at the bottom of the screen.



Configuration

The following window appears:



- 2. After the product is displayed, press the [Advanced] button.
- ➡ The FTC login mask appears:

Enter admin pas	sword	
Password		
ОК	<u>R</u> eload	Cancel

3. Enter the administrator password.

0

This password is defined with CASE Sun and Case TCM (step 5, section *7.1.3 Configuration wizard*).

➡ The following dialogue appears with four tabs:

-	Facility Touch Client
Info Configuration Actions Open source Software Product	InfoConfigurationActionsOpen sourceVisualizationserver:10.16.249.90client profile id:b48ed220·1db2-4099-9d47-dd597cac0adauser:specialistTouch Clientvirtual keyboard enabled:truevirtual keyboard layout:auto
screen dimensions: 23.6° 1920x1200px operation system: Microsoft Windows 7 Enterprise Service Pack 1 Close	Close Fadility Touch Client
Info Configuration Actions Open source	Info Configuration Actions Open source
Info Configuration Actions Open source Network Interface Configure the network interface to be exposed for configuration. This interface may than be configured by SAUTER CASE Sun.	Info Configuration Actions Open source CppCMS C++ Web Development Framework
Info Configuration Actions Open source Network Interface Configure the network interface to be exposed for configuration. This interface my than be configured by SAUTER CASE Sun. If the touch panel only has one network interface, it will be used by default and no configuration can be done. Configure Application Use the "Exit" or "Minimize" buttons to exit the application. Note: the application will automatically be restarted after the next system reboot.	Info Configuration Actions Open source ####################################

The [Actions] tab provides three options:

- Configure the network interface
- Minimize Facility Touch Client
- Exit Facility Touch Client

Configuration

7.2.1 Network interface (Configure the network interface)

If the Touch PC has **more than one network card**, one of the network cards must be selected.

- 1. Enter your administrator password using the settings menu.
- 2. Select the network interface.

Current interface: Local Area Connection	IP: 10.16.143.249
Select the network interface used for CASE	Sun configuration.
Local Area Connection IP: 10.16.143.249	•



If the Touch PC only has **one network interface**, this is displayed.

7.2.2 Minimising and closing Facility Touch Client (Minimize/Exit)

The two buttons "Minimize Facility Touch Client" and "Exit Facility Touch Client" on the [Actions] tab are used to minimise or close the FTC. This is only possible after entering the administrator password.

7.2.3 Other configurations

No other configurations are performed on FTC. All the configurations are performed with CASE Sun and CASE TCM.

The current configuration is displayed after the administrator password is entered via FTC.

7.2.4 Symbols of possible system messages

The following section explains the symbols of possible system messages:

Configuration



Error: The connection to the server could not be established.

Locked: When the FTC is locked via TCM, e.g. for maintenance work.

Connection is too slow. If a page loads too slowly (10 seconds or more), three buttons appear below the progress display (grey disc with %): [Back], [Reload] and [Home]. If the page is not loaded, use these buttons.



8 Useful information

8.1 Facility Touch Client process list

If FTC crashes, the following processes are closed automatically and can be restarted:

- java.exe
- Facility Touch Client.exe
- LighTPD.exe
- TcRestServer.exe
- ucfgd.exe
- WebWrapper.exe
- wscserver.exe

The following processes are executed for a limited time during the running time:

- ActionClient.exe
- cmd.exe
- elog.exe
- NetworkHelper.exe
- ucfg.exe

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