



Yli 20 vuotta HMI-tuotteita

A series of five thin, parallel, light blue wavy lines that curve upwards from left to right, located at the bottom of the slide.

HMI

Professional In Human Machine Interface





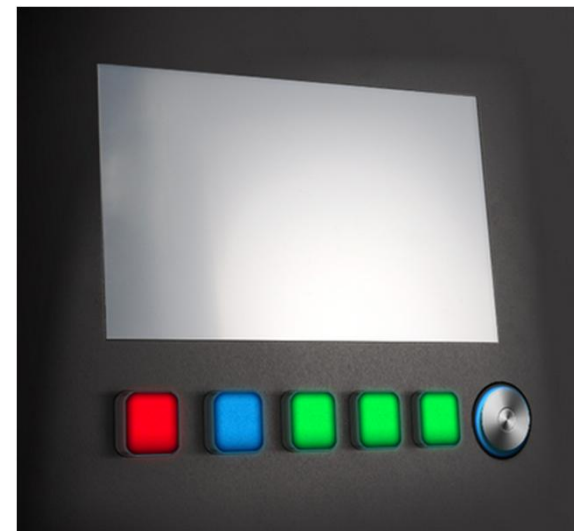
iP-sarja

- Erittäin yksinkertaisiin sovelluksiin
- 4.3", 7", 10.1" TFT
- Laiteliitännät: USB sekä RS-portit (MT6xxxIP) tai Ethernet (MT8xxxIP)
- Muovikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- Ohjelmointi: EasyBuilder Pro



iE-sarja

- Koneenrakennuksen sovelluksiin
- 4.3", 7", 10.1" TFT
- Laiteliittynät: Ethernet, USB ja RS-portit
- Muovikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- Ohjelmointi: EasyBuilder Pro



iER-sarja

- Takaapäin asennettava
- Koneenrakennuksen sovelluksiin
- 7" TFT
- Laiteliittynät: Ethernet, USB ja RS-portit
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- Ohjelmointi: EasyBuilder Pro



XE-sarja

- Koneenrakennuksen vaativiin sovelluksiin
- 9.7", 12.1", 15" TFT
- Laiteliitännät: Ethernet, USB ja RS-portit
- Alumiinikuorinen paitsi 9.7" muovikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- Ohjelmointi: EasyBuilder Pro



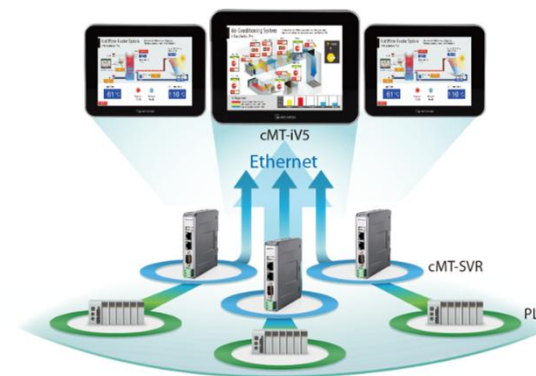
eMT-sarja

- Koneenrakennuksen kaikkiin sovelluksiin
- 7", 10.4", 12.1", 15" TFT
- Laiteliitännät: Ethernet, USB ja RS-portit
- CAN-väylä
- Audiolähtö
- Alumiinikuorinen paitsi 10.4" muovikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C, paitsi 7" -20° - 50°C
- Ohjelmointi: EasyBuilder Pro



MTV-100

- Koneenrakennuksen valvomosovelluksiin
- Ei omaa näyttöä, HDMI-liityntä ulkoiselle näytölle
- Tukee myös kosketusnäyttöjä
- HDTV-ominaisuudet
- HDMI-audiolähtö
- Laiteliitynnät: Ethernet, USB ja RS-portit
- DIN-kiskoliitäntä
- IP20 –kotelointiluokka
- Käyttölämpötila -20° - 55°C
- Ohjelmointi: EasyBuilder Pro



cMT-SVT102

- Koneenrakennuksen kaikkiin sovelluksiin
- Ei omaa näyttöä, käytetään joko erillisellä omalla näytöllä tai ilmaisella kännykän, tabletin tai PC:n cMT-Viewer sovelluksella
- Laiteliitännät: Ethernet, USB ja RS-portit
- DIN-kiskoliitäntä
- IP20 –kotelointiluokka
- Käyttölämpötila **-20° - 55°C**
- EasyAccess 2.0 lisenssi valmiina
- Ohjelmointi: EasyBuilder Pro



cMT-iV5

- Käytetään cMT-SVR102:n paikallisnäyttönä Ethernet-liitynnällä
- 9.7" TFT
- Sisäänrakennettu kaiutin
- Alumiinikuorinen paitsi 10.4" muovikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- cMT Viewer



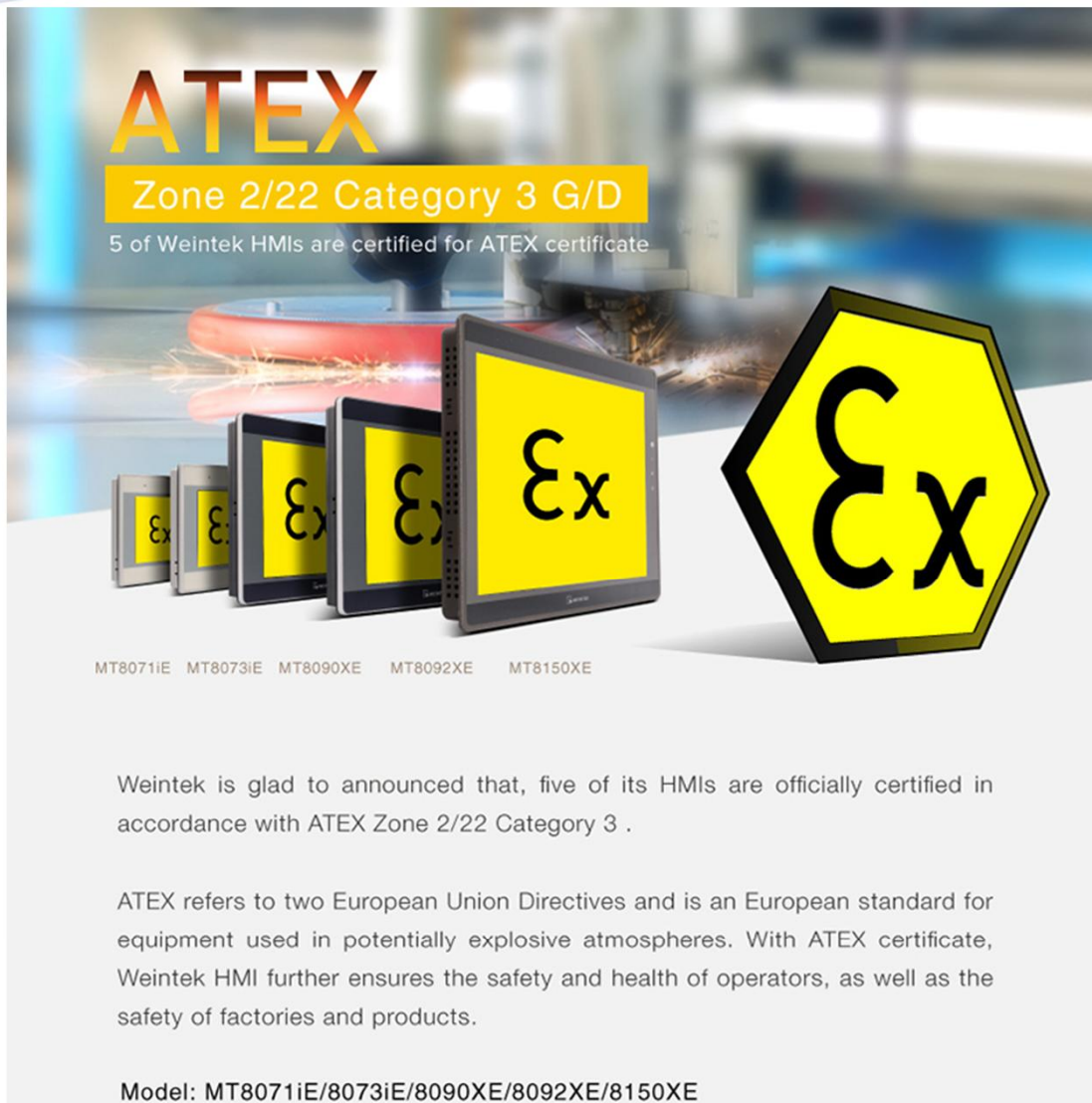
cMT3151

- Koneenrakennuksen kaikkiin sovelluksiin
- 15" TFT
- Laiteliitännät: 2 x Ethernet, USB ja RS-portit
- Alumiinikuorinen
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C
- EasyAccess 2.0 lisenssi valmiina
- Ohjelmointi: EasyBuilder Pro



cMT-iPC15

- Paneeli-PC
- 15" TFT
- Laiteliitynnät: Ethernet, USB ja RS-portit
- Sisäänrakennettu kaiutin ja audiolähtö
- NEMA4 / IP65 –kotelointiluokka
- Käyttölämpötila 0° - 50°C



ATEX
Zone 2/22 Category 3 G/D
5 of Weintek HMIs are certified for ATEX certificate



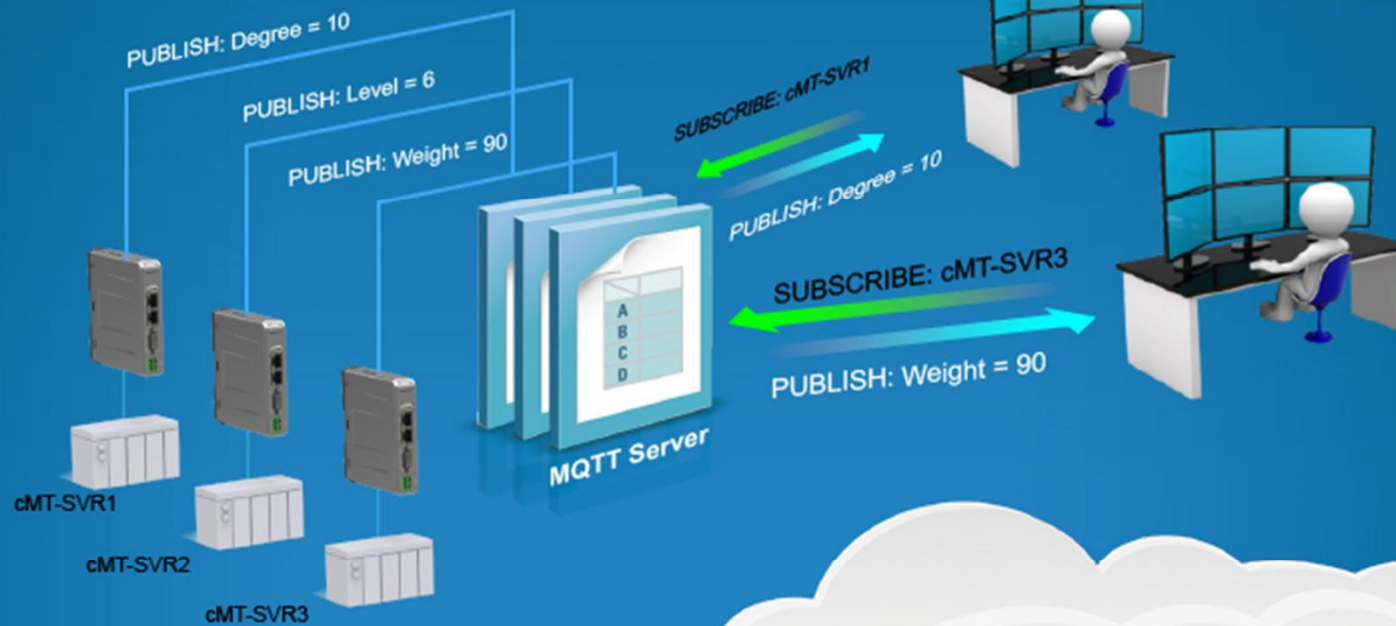
MT8071iE MT8073iE MT8090XE MT8092XE MT8150XE

Weintek is glad to announced that, five of its HMIs are officially certified in accordance with ATEX Zone 2/22 Category 3 .

ATEX refers to two European Union Directives and is an European standard for equipment used in potentially explosive atmospheres. With ATEX certificate, Weintek HMI further ensures the safety and health of operators, as well as the safety of factories and products.

Model: MT8071iE/8073iE/8090XE/8092XE/8150XE

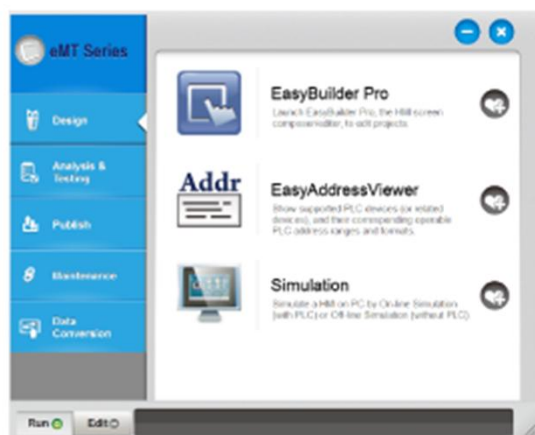
Weintek HMI builds up IoT application via MQTT.ORG





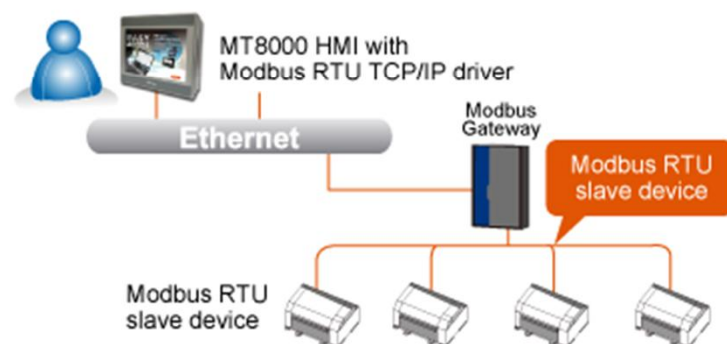
Device Connection Structure

Weintek R&D Group Brings you the well designed Human Machine Interface that is able to connect different devices simultaneously and also to exchange and save data easily with diverse applications and management.



Ethernet Communication

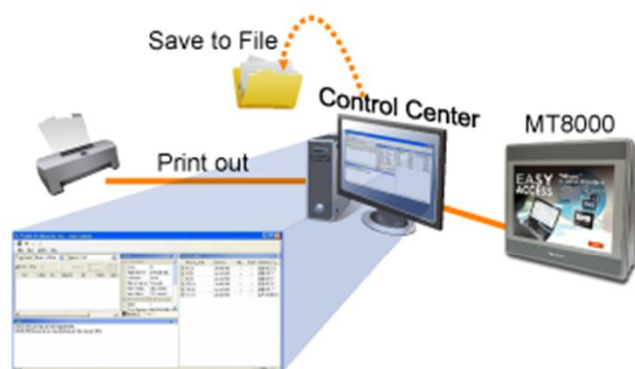
Support MODBUS TCP/IP communication protocol, and other types of PLC network communication module (Allen-Bradley, S7-300, S7-200 etc.)





Easy Printer

Easy Printer Server for saving hardcopy or backup data is individually downloadable even without full.



EasyDiagnoser

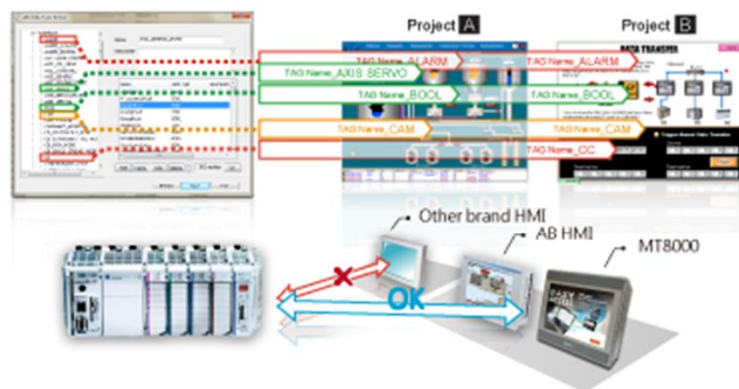
EasyDiagnoser is for analyzing and detecting connection between HMI and PLC.





AB Data Type Editor

Support AB TAG mechanism and improve the flexibility of an object in read/write.



EasySimulator

Upon completion of project programming, you can execute Online Simulation on PC by directly connect with PLC or Offline Simulation on PC without connecting PLC.

• Offline Simulator



• Online Simulator





Easy Access

Use SSL encryption to provide login session and data confidentiality when transmitting data. Therefore, EasyAccess 2.0 can ensure security and reliability when transmitting data and information.



Pass Through

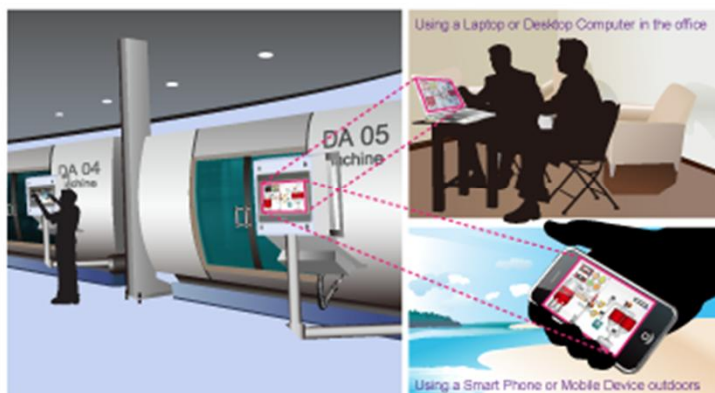
MT8000 Pass Through function allows PC to directly execute PLC applications to control PLC through HMI. HMI plays a role as a converter of RS232 TO RS485.





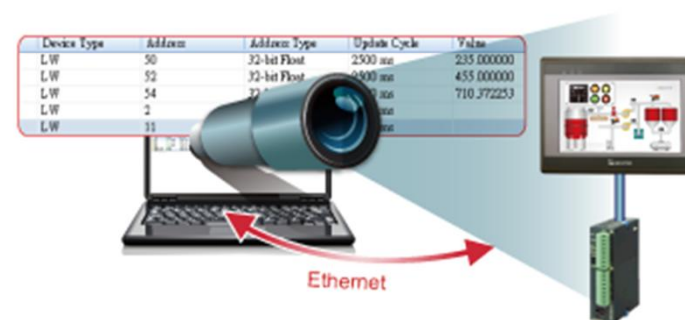
VNC

MT8000 HMI built-in VNC server allows you to operate HMI any time any where under network environment once your PC or cell phone is equipped with VNC Client.



Easy Watch

This debug tool offers the capability of monitoring and modifying specific address values of remote HMI and PLC devices.





EasyAddressViewer

View the type of PLC and its range of addresses.



Database Editor

Provide sufficient and secure recipe data storage.
Furthermore, you can customize Macro functions to Create,
Edit your recipe database.





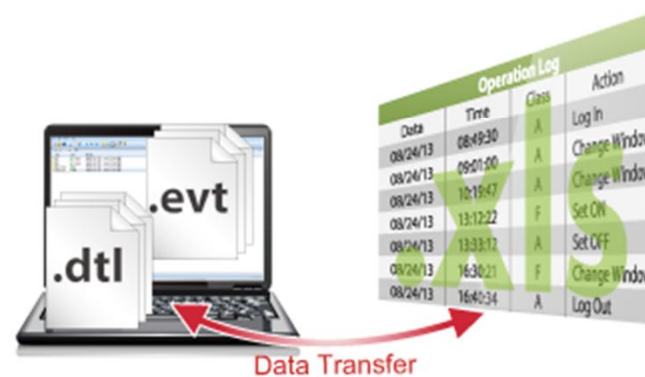
Recipe Editor

Recipe data and extended memory editing tool.



EasyConverter

Data / Event log format converter *





Data/Event log

View the historical records via USB cable or Ethernet •



Name	On_Board	Department	Ext
David	2000/09/25	Export	126
Gamma	2002/08/01	Human Resource	125
Robert	2000/08/04	Human Resource	109
Deitel	2008/10/01	Import	108
Vlissides	2002/05/04	Marketing	121
John	2007/09/15	Marketing	111

Versatile Application Tools

Weintek Software R&D Center develops various stand-alone application tools, such as Recipe Editor, EasyDiagnoser, EasySimulator, EasyConverter, and etc. These tools can help you analyze different data records and troubleshoot abnormal issues for your application.



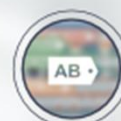
Utility Manager



EasyDiagnoser



EasyPrinter



AB Data Type Editor



EasySimulator



EasyAccess



Pass Through



VNC



EasyWatch



EasyConverter



Database Editor



Recipe Editor

Added Query function of Macro scripts

Query function of the Macro scripts improves the coding efficiency.



Macro compiling and project on-line simulation operate at the same time

Fixed the Macro compiling window must be closed when opening another compiling window or performing on-line simulation.



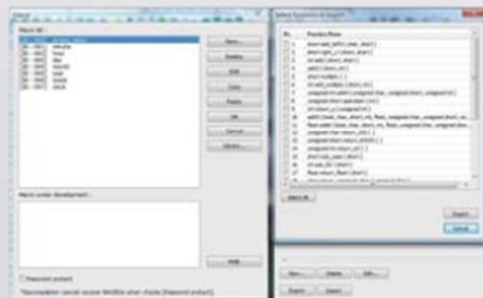
Embedded Macro into the project

The compiled macros can be embedded into the project and then re-used when the project is running on other PCs.



❑ Powerful Macro Editor and Commands

- Macro syntax is similar to VB-Script. Users can use Macros to design the desired additional features.
- Powerful Macro commands support user defined protocols (free protocol) for other communication devices.
- Sophisticated features are designed for processing complex expressions and string manipulation. This enhances the communication between users and projects.
- The new Macro editing window with toolbars makes designing Macros extremely easy.
- Supports the creation of user-defined Macro Libraries. This feature allows Macro Libraries to be used in future HMI project designs.



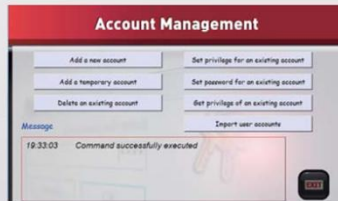
❑ Use Label Tags to Display Multiple Languages

Label Tag Library a spreadsheet-like display for inputting text in different languages for application in a project. Export Label Tags in CSV format to Excel for editing. Language contents can then be edited further and imported to the Label Tag table.



Enhanced Account Management

- Add/Delete Accounts
- Modify Privileges
- Reset Passwords



Extended User Accounts and Access Levels

- Extended user accounts (Unlimited)
- Extended access levels (from 7 to 13)



USB Security Key

Now you can assign access levels for specific periods of time



1. Create a USB Security Key via Administrator Tools

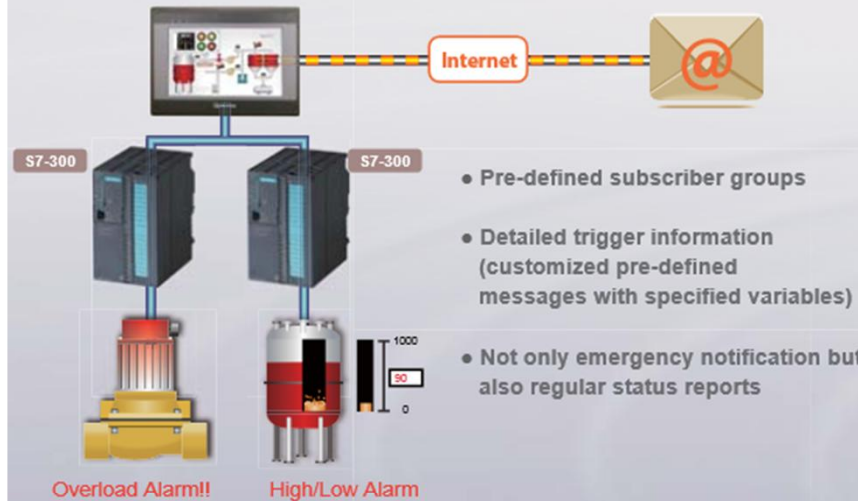
2. Restrict access to some operations in the HMI with the USB security key

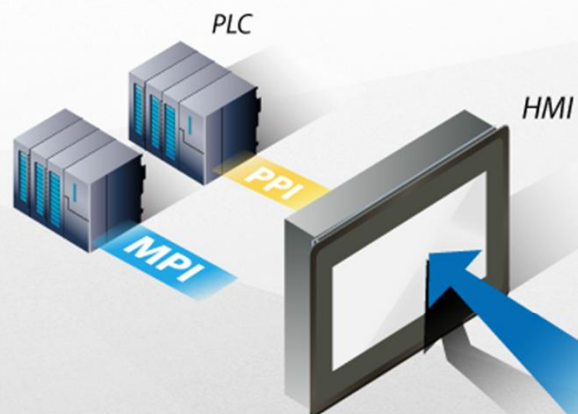
Assign different access levels for objects or features to enhance security control



E-mail Notification

Inform personnel via E-mail when alarms occur





PassThrough

EasyAccess 2.0 uses a high-secure technology, SSL VPN (Secure Sockets Layer Virtual Private Network).

With pass-through communication technology, you can use PLC editing software such as Siemens Step7, Rockwell RSlogix500, and many more on PC to access remote Weintek HMI to maintain its connected PLC. Furthermore, during the pass-through process, the communication between HMI and PLC still remains and you can see the updated status of PLC instantly.



HMI

VNC

The RFB protocol based VNC is used for screen sharing and remote operation that enable you to instantly and easily monitor remote HMI's like operating in front of the HMI.



cMT Viewer

cMT Viewer is a GUI remote connection software running on PC, Panel PC, iPad, and Android tablets.

When opening EasyAccess 2.0 application, the remote and EasyAccess 2.0-activated HMIs will be automatically detected and shown as a list. In this searching list, the status of cMT-SVR can be monitored with the cMT Viewer application by simply pressing the cMT Viewer button to download the cMT-SVR's EB project and show the operating display. The whole process features one-Click to easily access the remote HMI.

cMT-SVR



Data



Graphic



Tablet



Ilmainen konfigurointiohjelmisto



Lähes 300 laiteliityntää



Tiedonsiirto laiteliityntöjen välillä

- Aikapohjainen
- Tapahtumapohjainen

New Data Transfer (Trigger-based) Object

General Security Shape Label

Comment :

Source address
PLC name : Local HMI
Address : LW 0

Destination address
PLC name : Local HMI
Address : LW 0

Attribute
No. of word : 1
Mode : External trigger Trigger mode : ON->OFF

Trigger address
PLC name : Local HMI
Address : LB 0

OK Cancel Help

Data Transfer (Time-based)

General

Comment :

Attribute
Address type : Bit Interval : 3.0 second(s)
No. of bit : 1
☒ Active only when designated window opened
10. WINDOW_010

Source address
PLC name : Local HMI Settings...
Address : LB 0

Destination address
PLC name : Local HMI Settings...
Address : LB 0

OK Cancel Help

Painikkeet



Ajastin

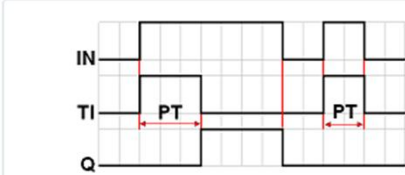
New Timer Object

Timer

Description : Ajastin

Mode : On delay

Time base : 0.1 second(s)



IN

TI

Q

PT

PT

Elapsed time (ET)

☐ Enable

Input bit (IN)

PLC : Local HMI

Address : LB 0

Settings...

Output bit (Q)

PLC : Local HMI

Address : LB 0

Settings...

Measurement bit (TI)

PLC : Local HMI

Address : LB 0

Settings...

Preset time (PT)

PLC : Local HMI

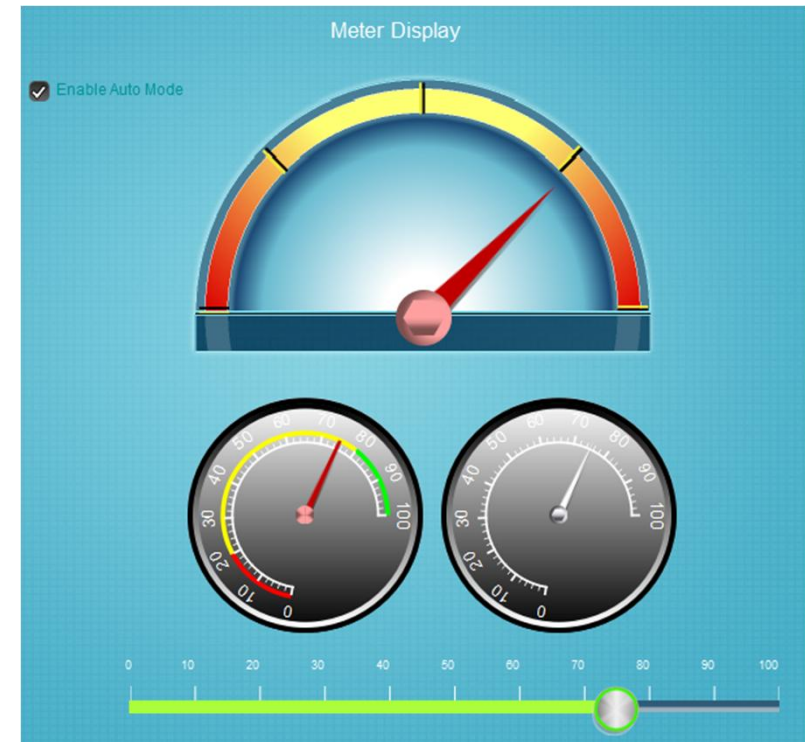
Address : LW 0

16-bit Unsigned

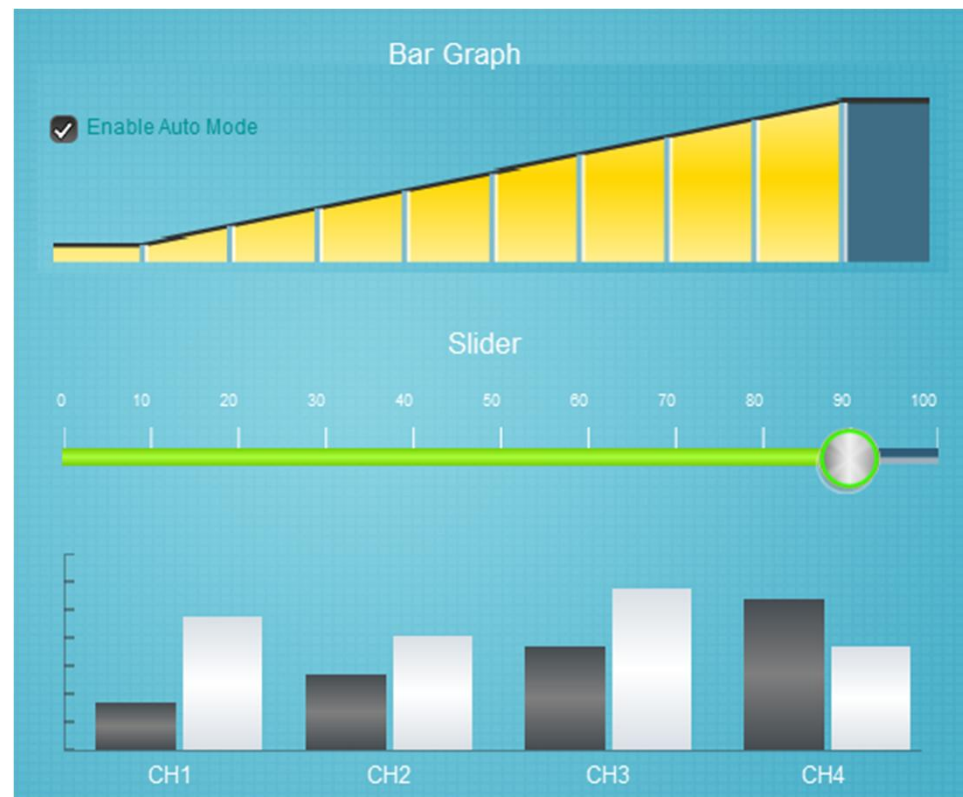
Settings...

OK Cancel Help

Analogue mittarit



Graafiset ja dynaamiset objektit



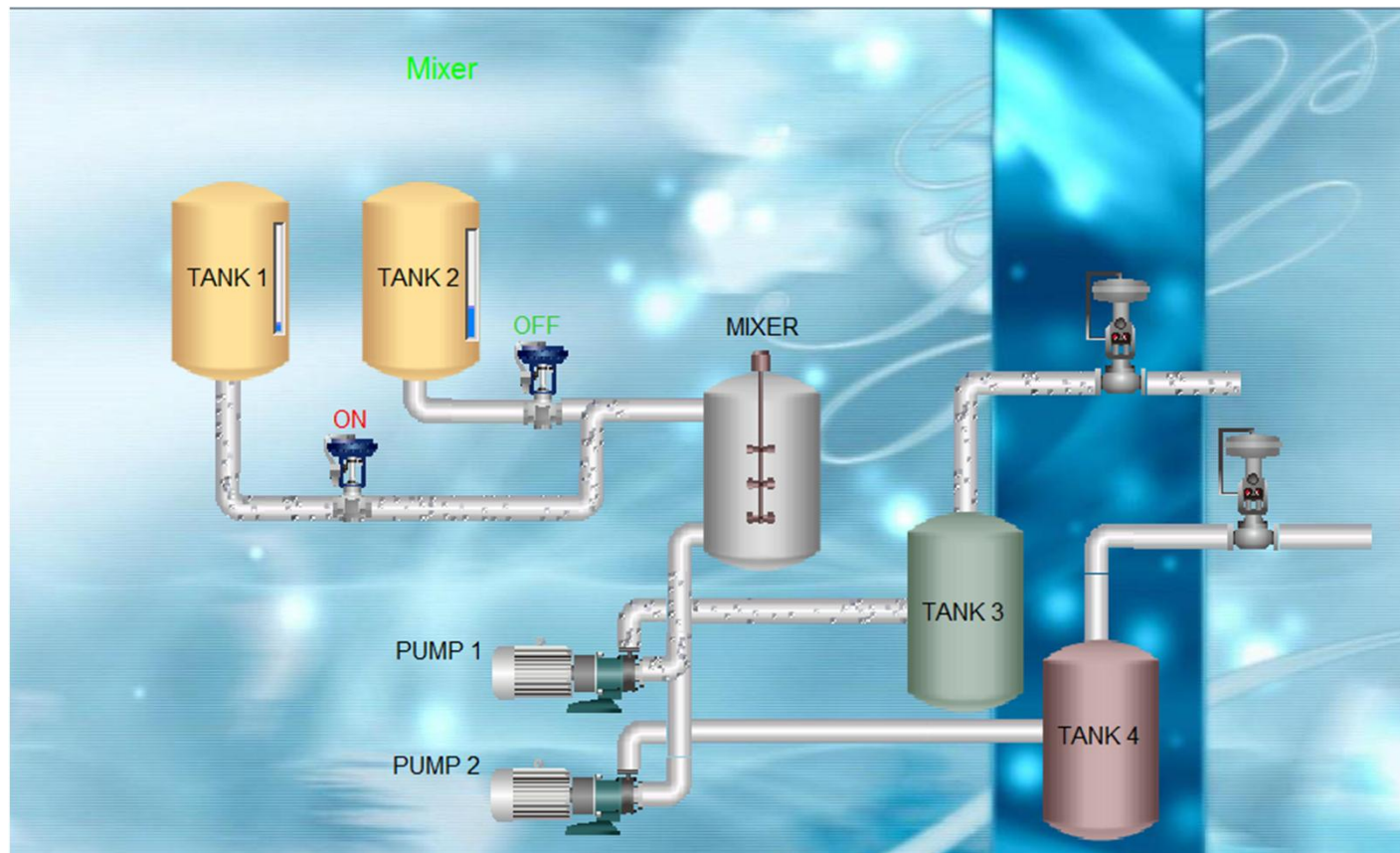
Komponenttikirjasto



6		Spherical tank 1 
	States : 1	
	Objects : 0 	
7		Spherical tank 2 
	States : 1	
	Objects : 0 	
8		Spherical tank w... 
	States : 1	
	Objects : 0 	
9		Stabilization tank 
	States : 1	
	Objects : 0 	
10		Stainless steel cy... 
	States : 2	
	Objects : 0 	
11		Storage facility 1 
	States : 1	
	Objects : 0 	

18		Vertical pump 4 
	States : 1	
	Objects : 0 	
19		Vertical pump 5 
	States : 1	
	Objects : 0 	
20		Vertical pump 6 
	States : 1	
	Objects : 0 	
21		Vertical pump 7 
	States : 1	
	Objects : 0 	
22		Vertical pump 9 
	States : 1	
	Objects : 0 	
23		Vertical pump 10 
	States : 1	
	Objects : 0 	

Virtausobjekti



Salasanasuojaus

Security Feature

Steve : PW = 111, Authority = Class A, D
Zera : PW = 222, Authority = Class B, E
Adam : PW = 333, Authority = Class C, F
Melody : PW = 444, Authority = Class A, B, C
Jason : PW = 555, Authority = Class D, E, F
Tony : PW = 666, Authority = Class A, B, C, D, E, F

Press to select user Zera

Password ***

Make invisible when protected



Class A Class B Class C

Display warning message if access denied

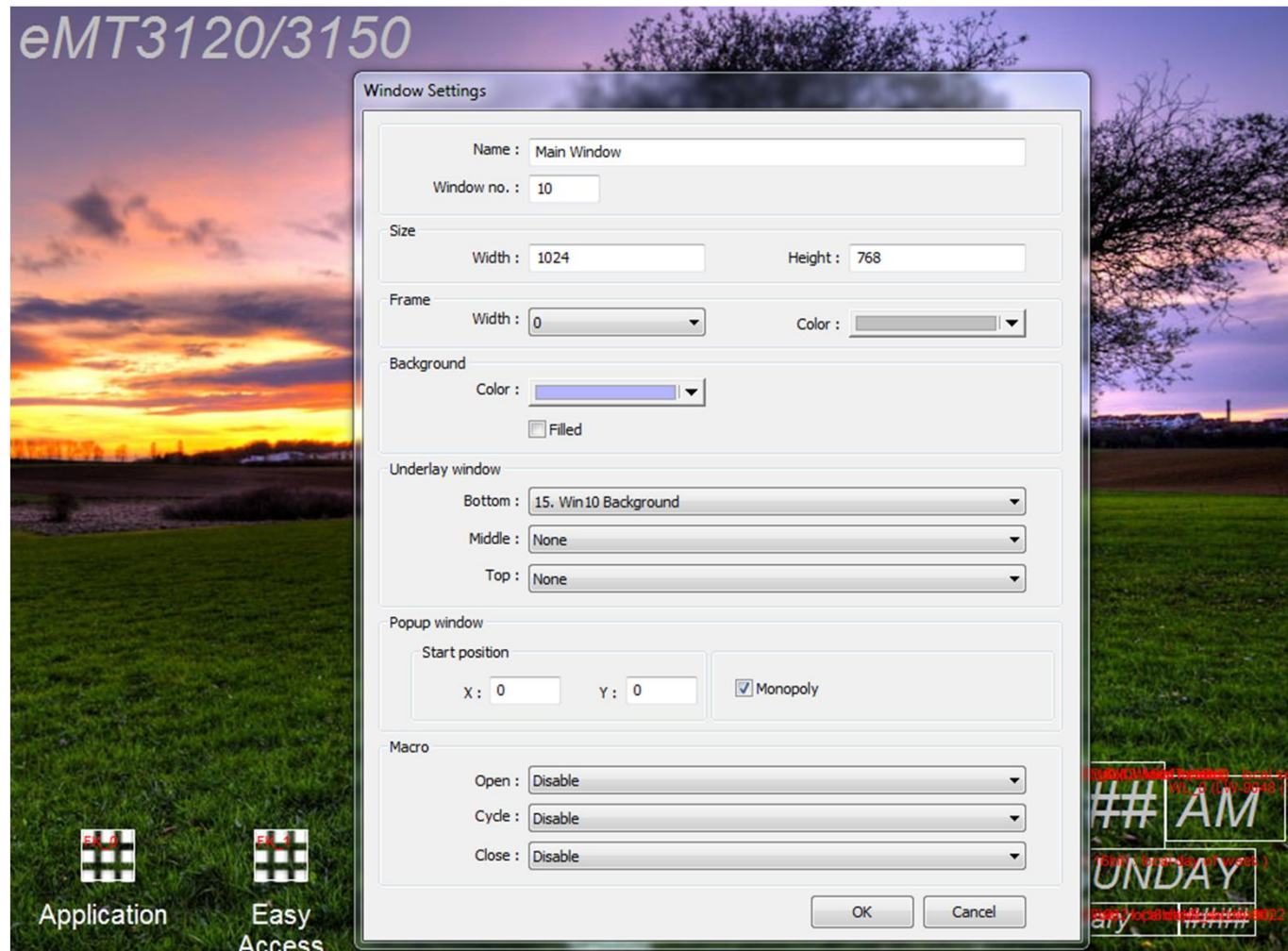


Class D Class E Class F

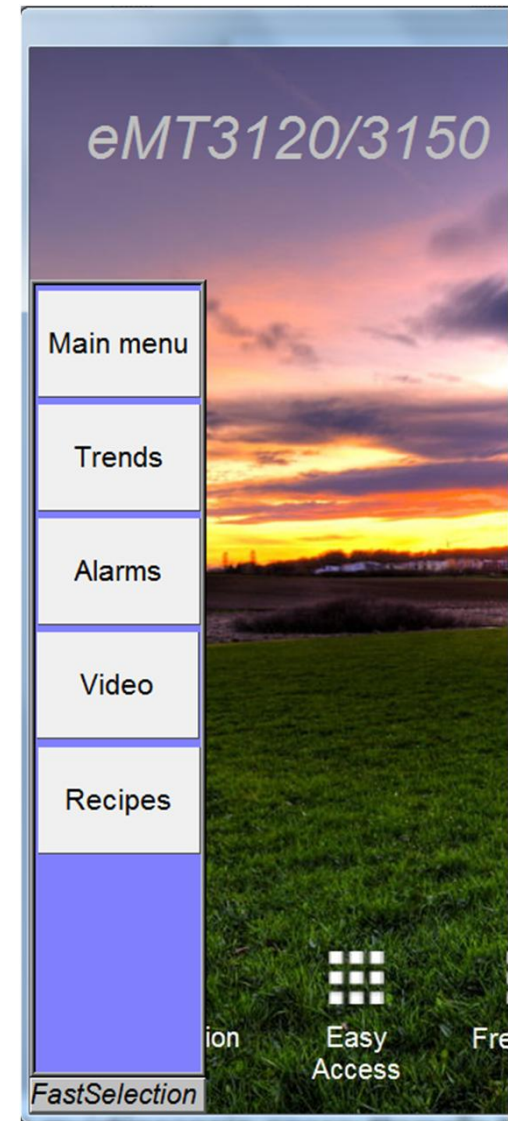
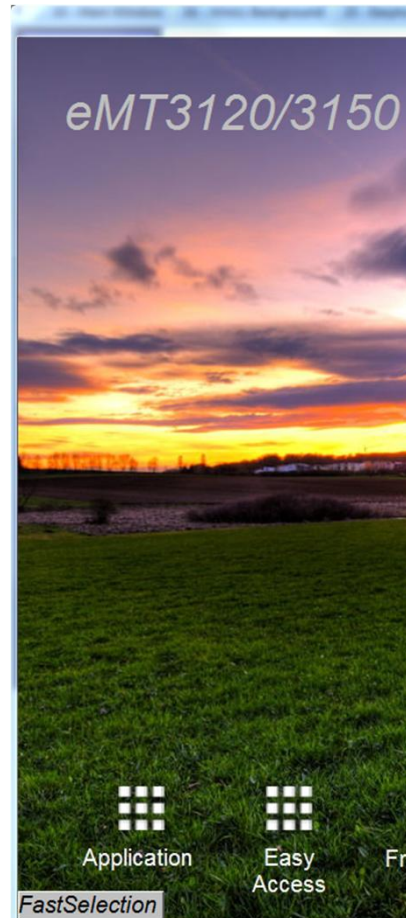
Logout



Taustanäytöt

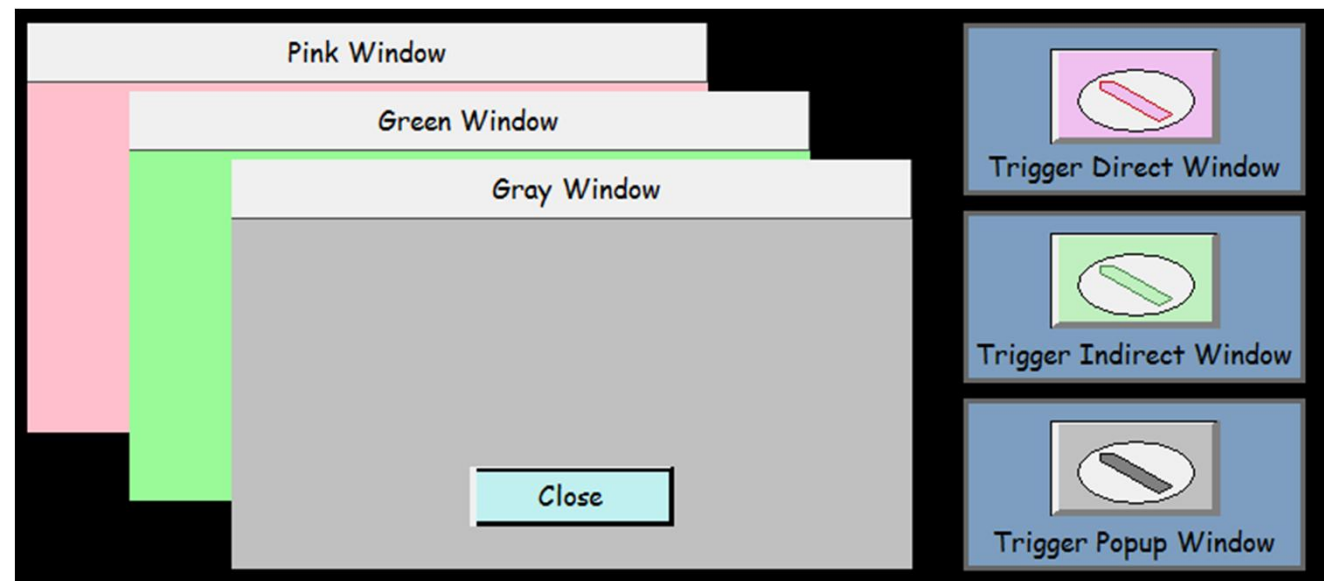


Pikavalikko



Ponnahdusikkunat

- Popup
- Direct
- Indirect



Hälytykset

30/12/15	13:56:20	Low pressure P123	4
30/12/15	13:56:20	High temperature T10	5

Event (Alarm) Log

Category : All (4)

No.	Category	Text	Mode	Condition	Read address	Notification address	Buzzer	e-Mail
1	0	High temperature T10	WORD	> 100.00	Local HMI : LW-0	Disable	Disable	Disable
2	0	Low pressure P123	WORD	> 120.00	Local HMI : LW-0	Disable	Disable	Disable
3	0	Event 0	WORD	> 140.00	Local HMI : LW-2	Disable	Disable	Disable
4	0	Event 0	WORD	> 160.00	Local HMI : LW-3	Disable	Disable	Disable

☒ Enable back light when alarm occurs

History files

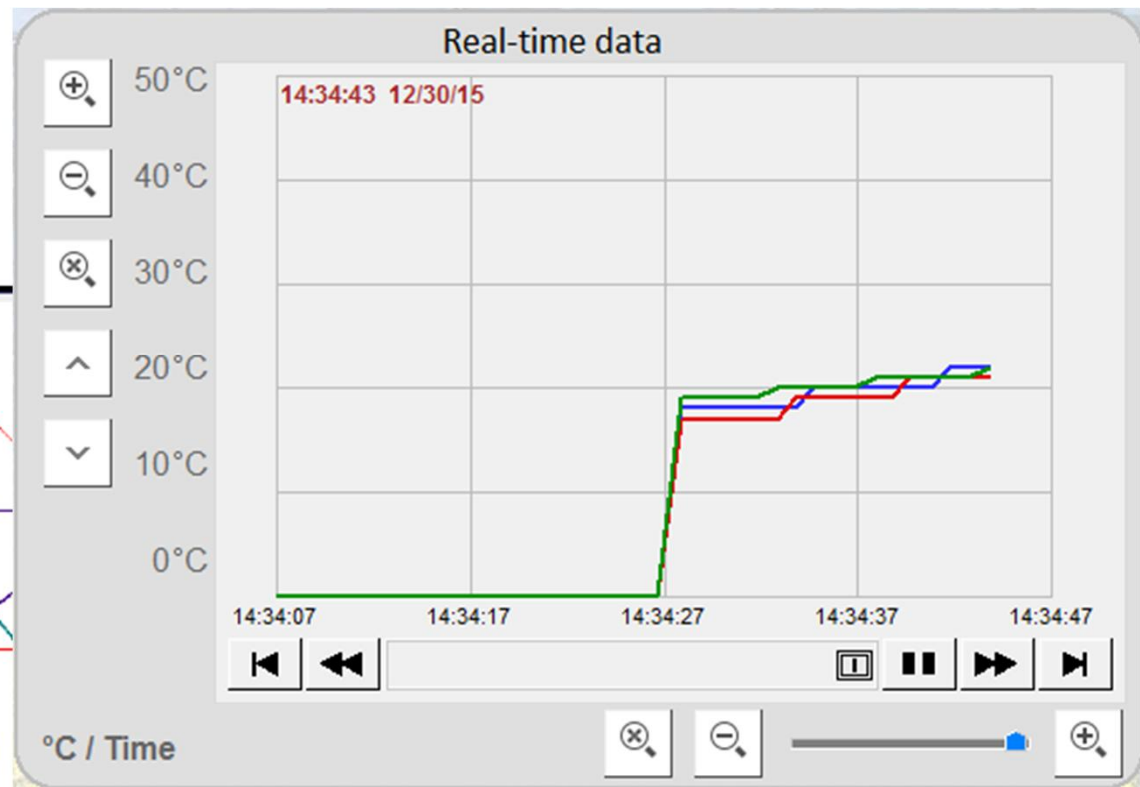
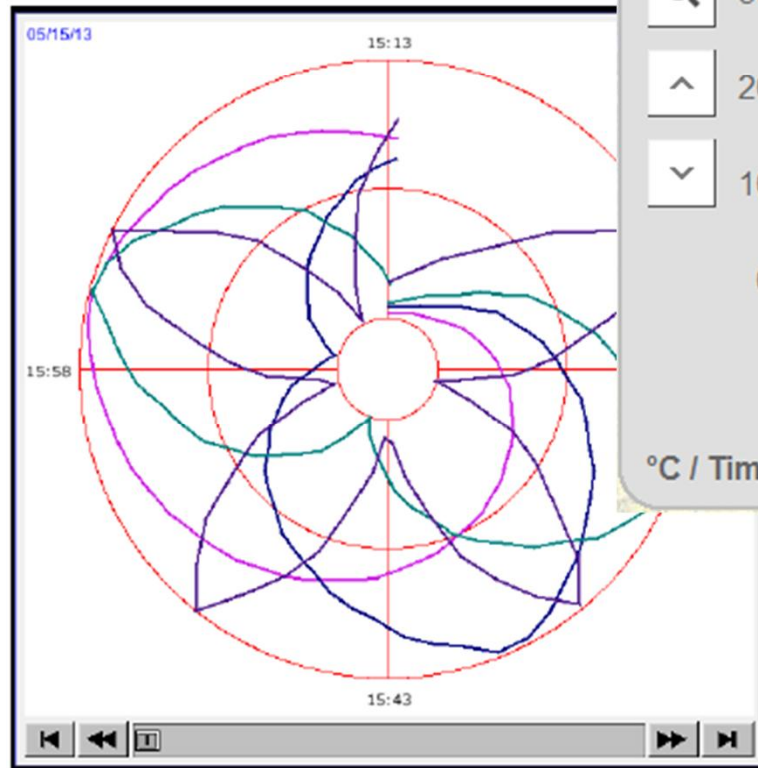
☐ Save to HMI memory ☒ Save to SD card ☐ Save to USB disk

☒ Preservation limit Days of preservation : 7 day(s)

New... Insert... Delete Settings... Export... Import...

Copy Paste Paste (Add Mode) Exit

Trendit



X-Y-diagrammi

New XY Plot Object

General | Display Area | Security | Shape

Comment :

Direction : **Right** No. of channels : **1**

Control Address

PLC name : **Local HMI** Settings...

Address : **LW** **0**

No. of data address : **LW : 0 + 1**

Channel : **0**

Read address

PLC name : **Local HMI**

☒ Separated address for X and Y data

X data

PLC name : **Local HMI** Settings...

Address : **LW** **0** 16-bit Unsigned

Y data

PLC name : **Local HMI** Settings...

Address : **LW** **0** 16-bit Unsigned

Limits

☐ Dynamic limits

X axis

Low : **0** High : **32767**

Y axis

Low : **0** High : **32767**

OK Cancel Help

New XY Plot Object

General | Display Area | Security | Shape

Profile color

☐ Transparent

Frame : Background :

Curve

Channel : **0**

Pen property

Color : Width : **1**

Maker

Point width : **1**

☒ Line ☐ Point ☐ X-axis projection ☐ Y-axis projection

Reference line

☒ Limit from PLC

PLC name : **Local HMI** Settings...

Address : **LW** **0** 16-bit Unsigned

☒ Reference line 1 **20**

☒ Reference line 2 **40**

☒ Reference line 3 **60**

☒ Reference line 4 **80**

OK Cancel Help

Reseptit

Recipe Database



id	name	price	stock
500	Water	100	2
501	Soda Water	5	10
502	Beer	1	55
503	Wine	1	55
504	Cocktail	1	55

Current Selection:

id	name	price	stock
504	Cocktail	1	55

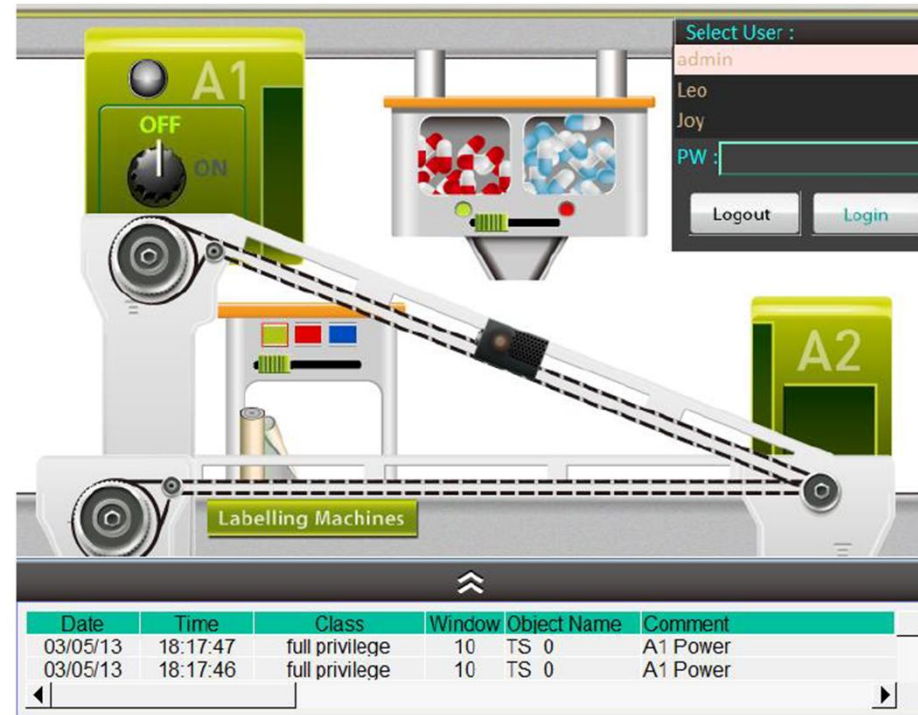
(modifying is done locally until update command is sent)

add

update

delete

Tapahumaloki



Date	Time	Object Name	Action	Address	Information
30.12.15	14:42:38	SL 0	Set word	Local HMI : LW-0	write 193
30.12.15	14:42:37	SL 1	Set word	Local HMI : LW-1	write 182
30.12.15	14:42:34	SL 1	Set word	Local HMI : LW-1	write 142
30.12.15	14:42:30	SL 1	Set word	Local HMI : LW-1	write 170

Tupla Ethernet

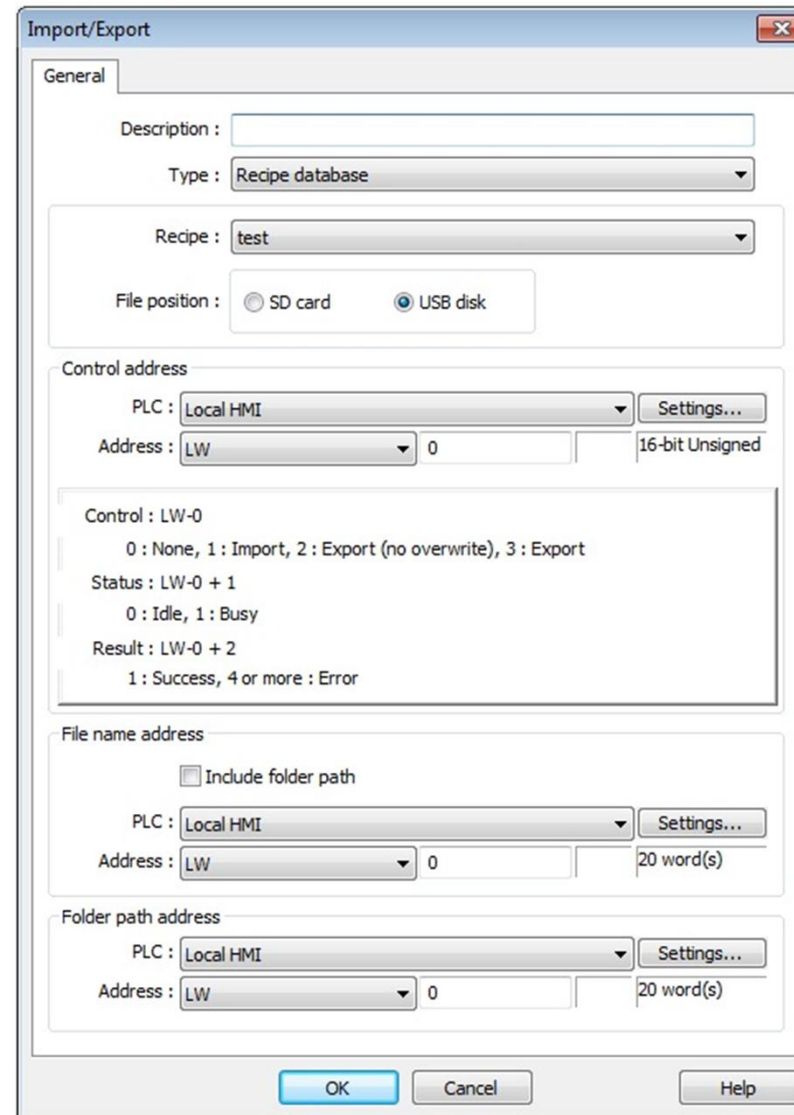


Tiedonkeruu

No.	Time	Date	Channel 0	Channel 1	Channel 2
622	11:12:10	05/01/2016	-0.924	-0.747	-0.371
621	11:12:10	05/01/2016	-0.866	-0.647	-0.249
620	11:12:09	05/01/2016	-0.819	-0.575	-0.167
619	11:12:09	05/01/2016	-0.737	-0.461	-0.042
618	11:12:08	05/01/2016	-0.676	-0.381	0.042
617	11:12:08	05/01/2016	-0.574	-0.257	0.167
616	11:12:08	05/01/2016	-0.500	-0.172	0.249
615	11:12:07	05/01/2016	-0.383	-0.043	0.371
614	11:12:07	05/01/2016	-0.259	0.086	0.488
613	11:12:06	05/01/2016	-0.174	0.172	0.563
612	11:12:06	05/01/2016	-0.044	0.299	0.671
611	11:12:06	05/01/2016	0.044	0.381	0.739
610	11:12:05	05/01/2016	0.174	0.499	0.834

Import/Export -objekti

- Merkkijonotaulukot
- Reseptit

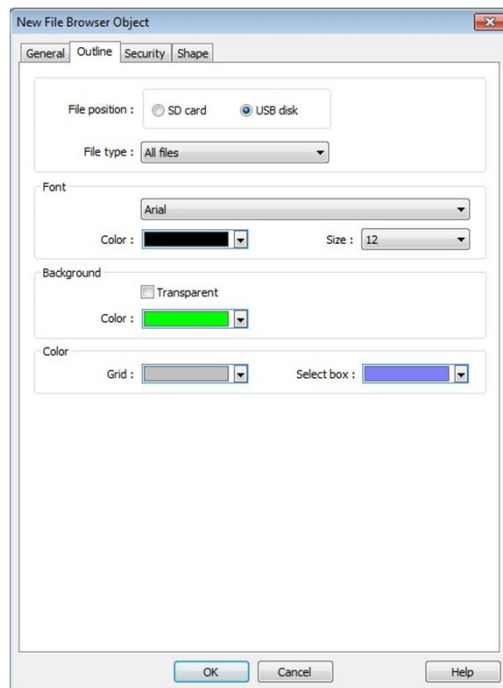


The dialog box is titled "Import/Export" and has a "General" tab. It contains the following fields and options:

- Description:** A text input field.
- Type:** A dropdown menu set to "Recipe database".
- Recipe:** A dropdown menu set to "test".
- File position:** Radio buttons for "SD card" and "USB disk", with "USB disk" selected.
- Control address:**
 - PLC:** A dropdown menu set to "Local HMI" with a "Settings..." button.
 - Address:** A dropdown menu set to "LW" followed by a text input field containing "0".
 - 16-bit Unsigned:** A checkbox.
- Control:** A text area showing "Control : LW-0" and a list of options: "0 : None, 1 : Import, 2 : Export (no overwrite), 3 : Export".
- Status:** A text area showing "Status : LW-0 + 1" and a list of options: "0 : Idle, 1 : Busy".
- Result:** A text area showing "Result : LW-0 + 2" and a list of options: "1 : Success, 4 or more : Error".
- File name address:**
 - Include folder path:** A checkbox.
 - PLC:** A dropdown menu set to "Local HMI" with a "Settings..." button.
 - Address:** A dropdown menu set to "LW" followed by a text input field containing "0".
 - 20 word(s):** A text input field.
- Folder path address:**
 - PLC:** A dropdown menu set to "Local HMI" with a "Settings..." button.
 - Address:** A dropdown menu set to "LW" followed by a text input field containing "0".
 - 20 word(s):** A text input field.

At the bottom, there are three buttons: "OK", "Cancel", and "Help".

Tiedostoselain

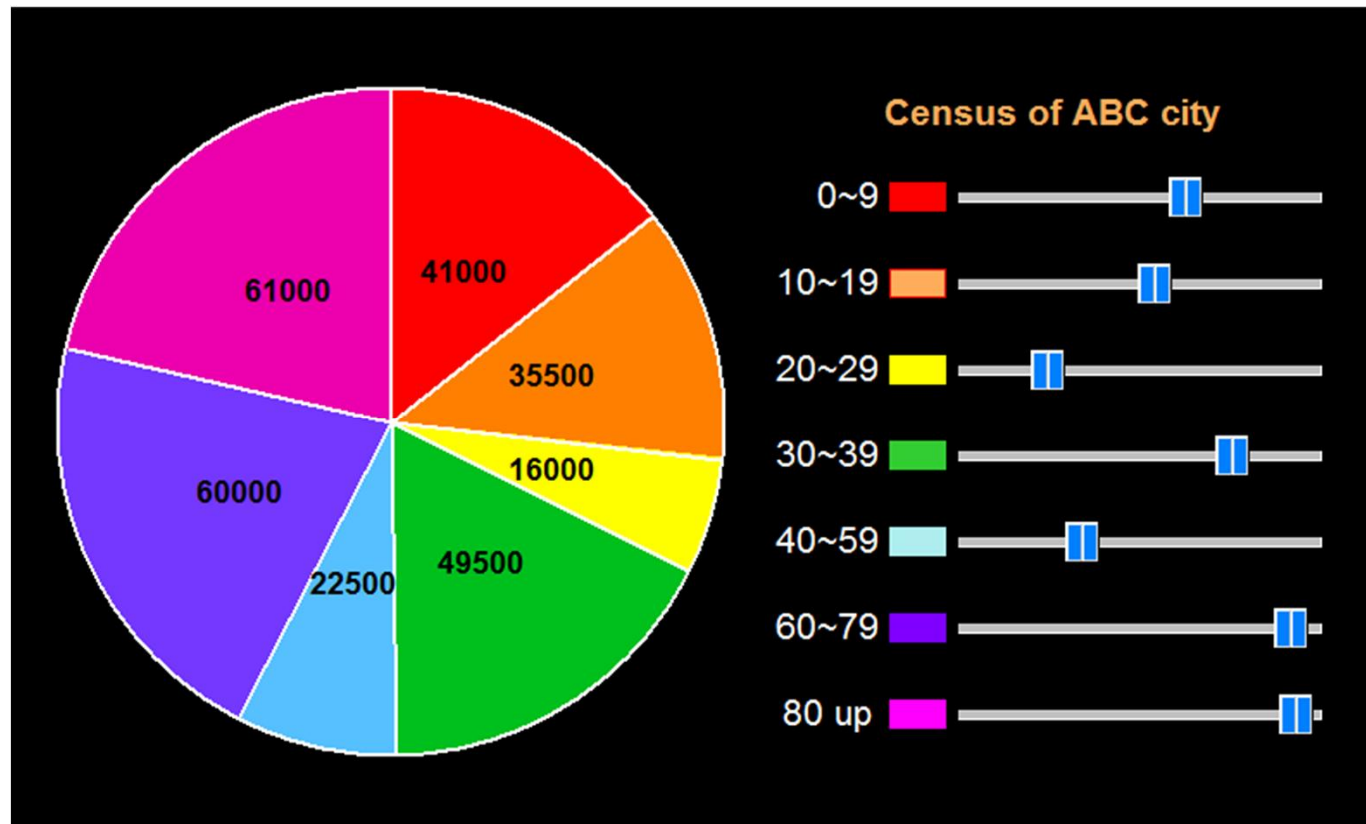


[hardcopy]
[host]
[hostname]
[video]
operationlog.db

[..]
Boiler_Effic.db
Boiler_SteamPres.db
Boiler_SteamTemp.db
Boiler_WaterLvl.db
datastreaming.db

[..]
151102_0000.jpg
151102_0001.jpg
151102_0002.jpg
151102_0003.jpg
151102_0004.jpg
151102_0005.jpg

Piirakkakaaviot



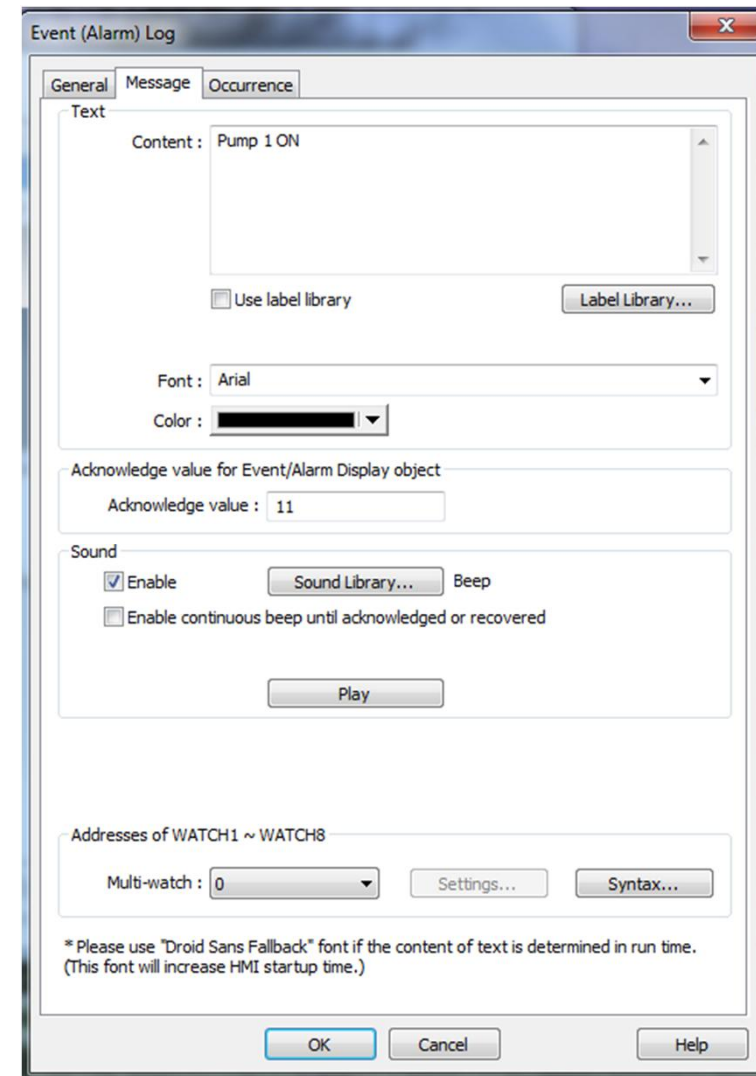
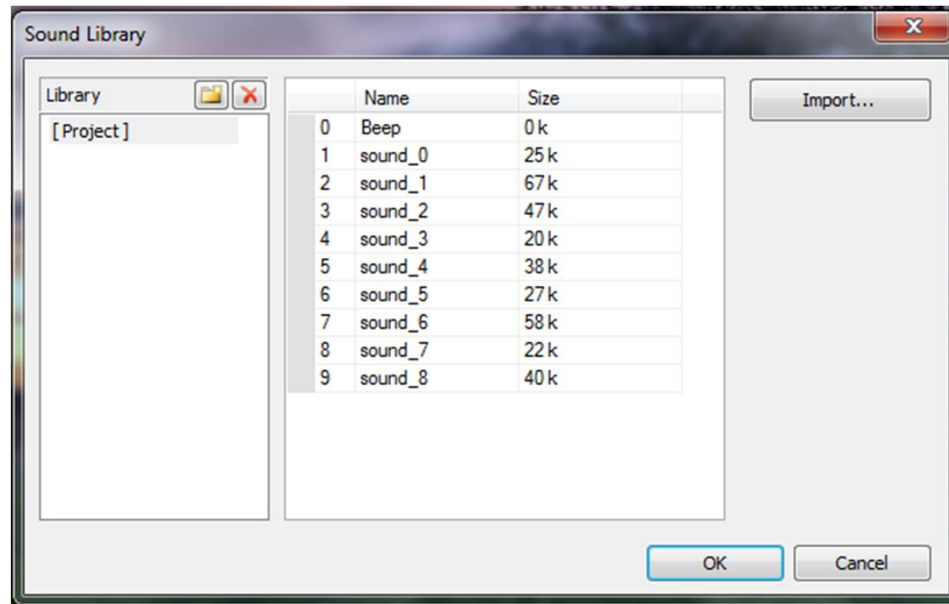
QR- ja Aztec-koodit



Videotulot



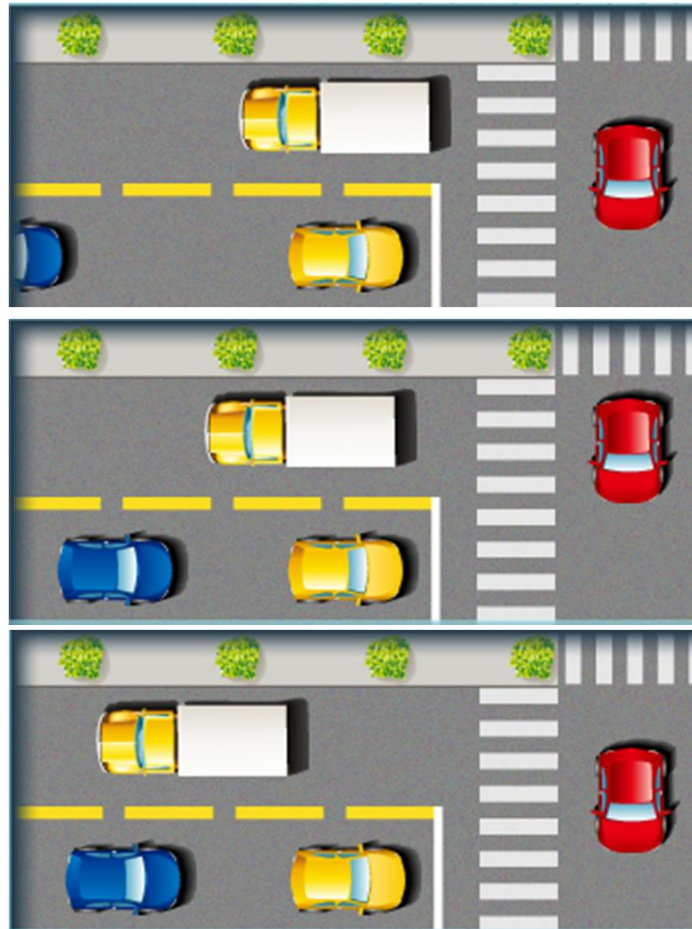
Äänikirjasto



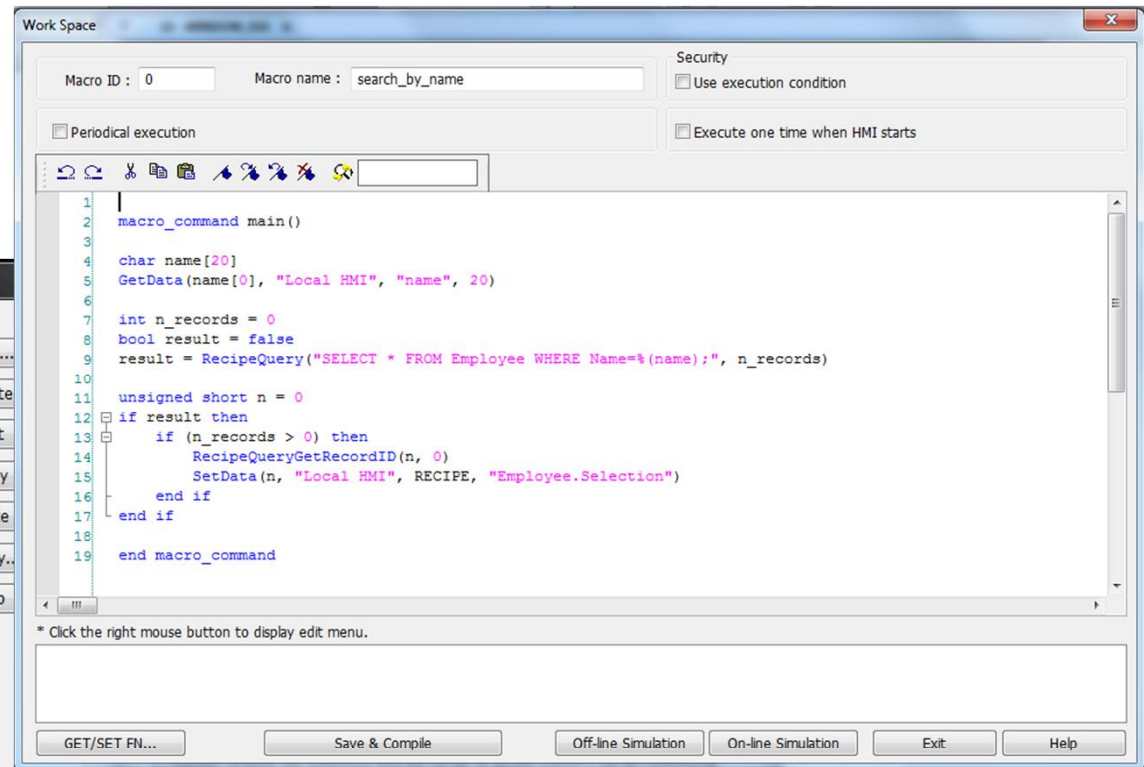
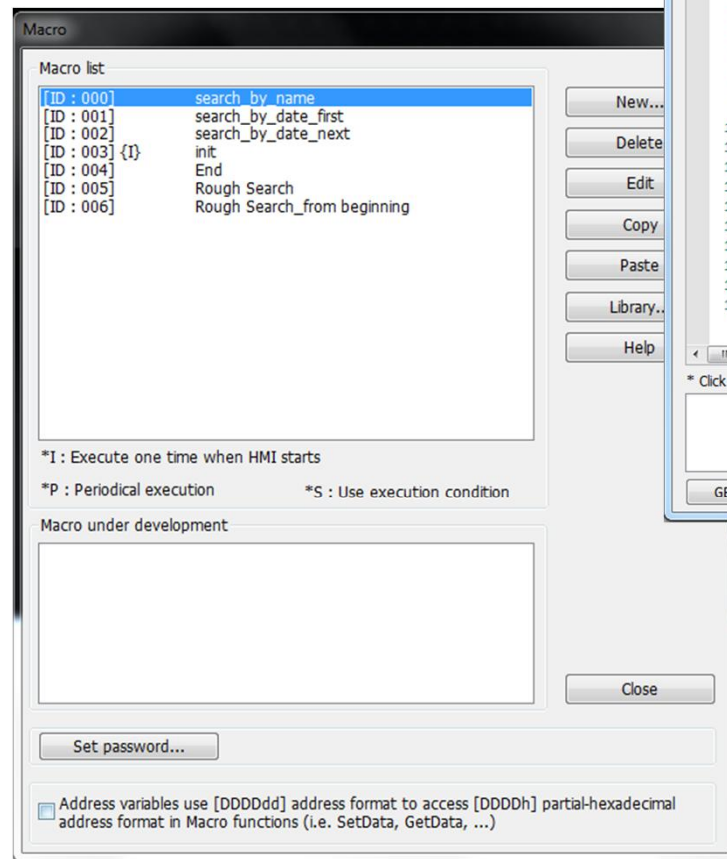
Media Player



Animointi

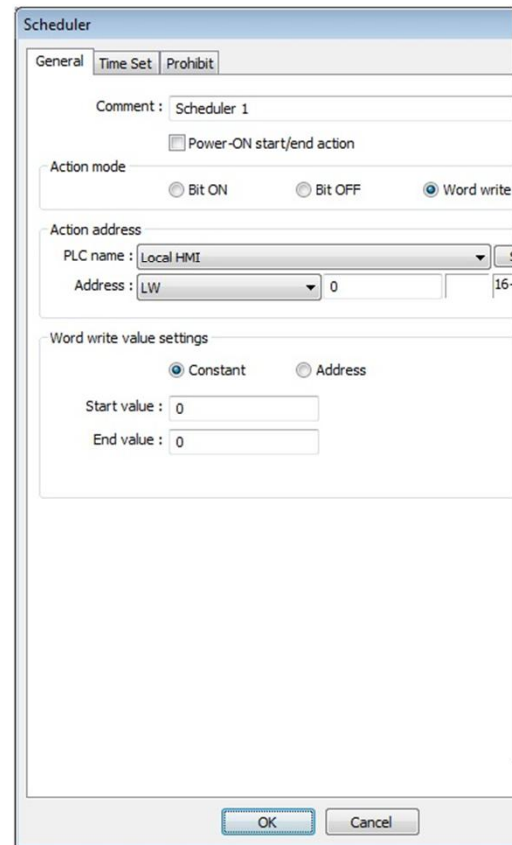


Makrot



Viikkokello-ohjaus

- Myös analogia-arvot



Scheduler

General Time Set Prohibit

Comment : Scheduler 1

☐ Power-ON start/end action

Action mode

☐ Bit ON ☐ Bit OFF ☒ Word write

Action address

PLC name : Local HMI

Address : LW 0

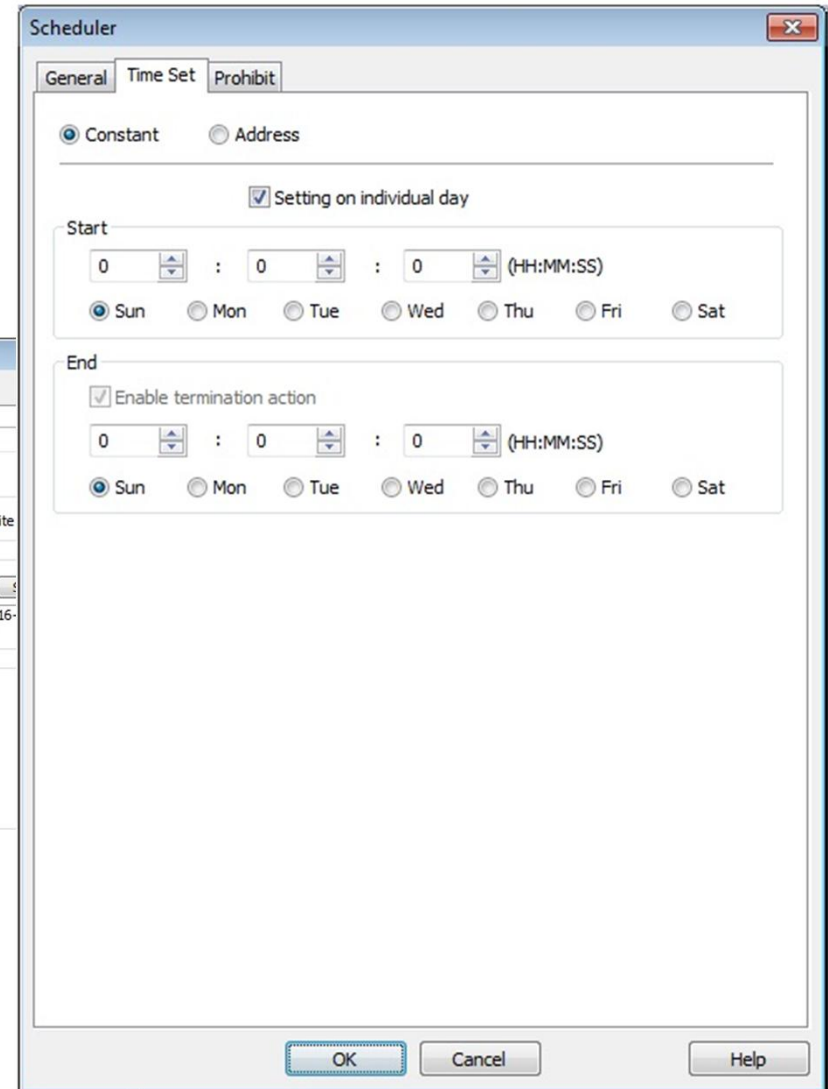
Word write value settings

☒ Constant ☐ Address

Start value : 0

End value : 0

OK Cancel Help



Scheduler

General Time Set Prohibit

☒ Constant ☐ Address

☒ Setting on individual day

Start

0 : 0 : 0 (HH:MM:SS)

☒ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

End

☒ Enable termination action

0 : 0 : 0 (HH:MM:SS)

☒ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

OK Cancel Help

Indeksirekisterit

Address

PLC name : Local HMI

Device type : LW

Address : 0 ☐ System tag ☐ User-defined tag

Address format : DDDDD [range : 0 ~ 11300]

Index : INDEX 0 (16-bit) ☒ Index register

Tag Library... OK Cancel

Sähköposti

System Parameter Settings

Device	Model	General	System Setting
Extended Memory	Printer/Backup Server	Time Sync./DST	

☒ Enable e-Mail function ☐ Use existing contact settings on HMI

SMTP settings

Server :

User name :

Password :

Confirm Password :

☐ Log on using Secure Password Authentication (SPA)

☐ Use the following type of encrypted connection

Sender information

Name : ☒ Use HMI name

Mail address :

* LB-12053 or LB-12054 is ON when failed to send an e-Mail

[Open contact settings](#)

Contacts

No. of groups : 1

Contact Name	Mail Address
SKS Control Oy	control@skxs.fi
SKS Control support	support.control@skxs.fi

Group information

Contact Name	Mail Address
SKS Control Oy	control@skxs.fi
SKS Control support	support.control@skxs.fi

Event (Alarm) Log

General Message e-Mail Occurrence

☒ Enable Condition Recipients

☒ Send when event triggered Group A

☐ Send when event cleared

Recipients

To...

CC...

Bcc...

Subject

☒ Use event content as subject

Subject :

Message

Opening :

☐ Use label library

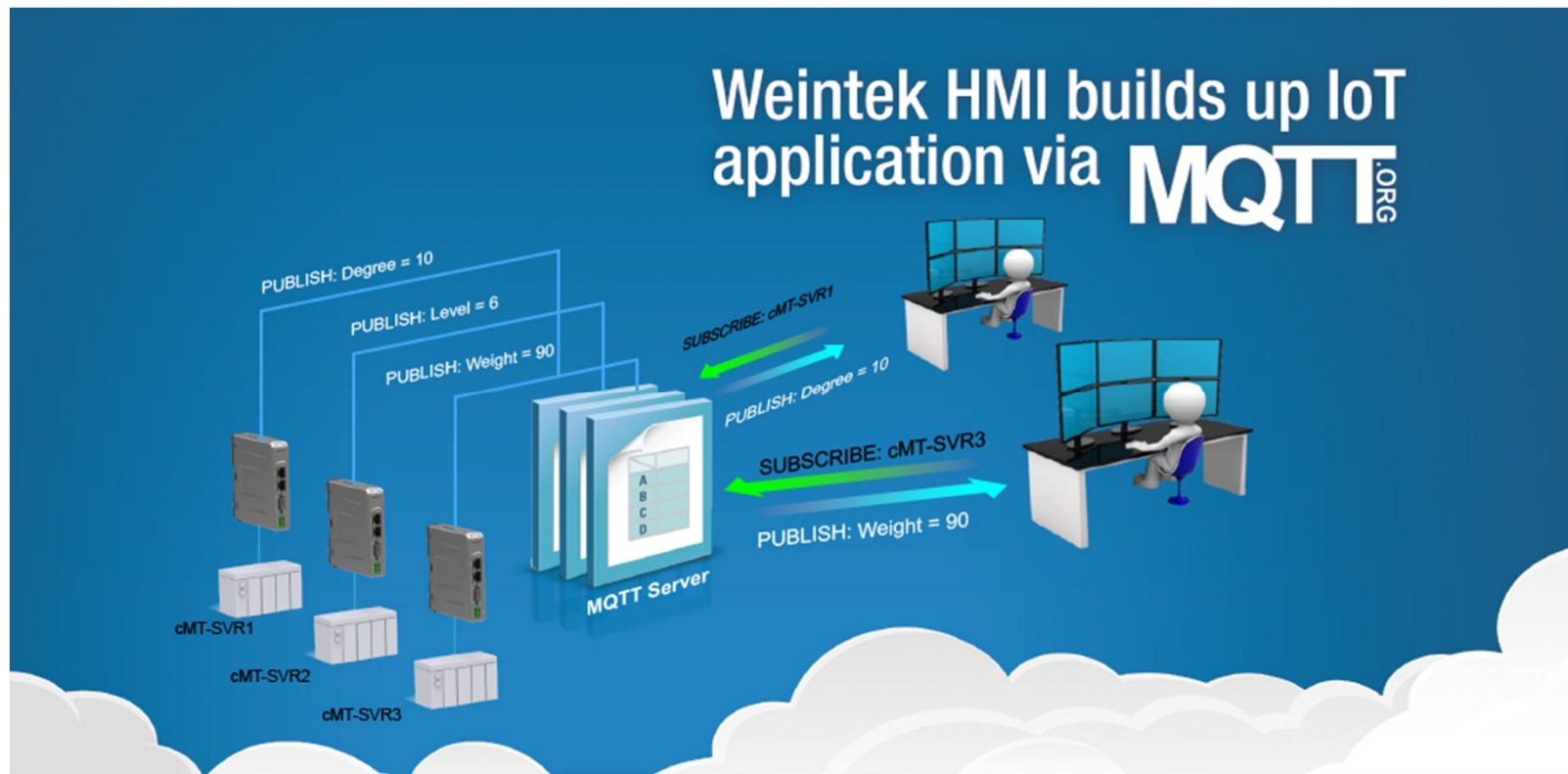
Ending :

☐ Use label library

Attach

☐ Contains a screenshot of window

MQTT



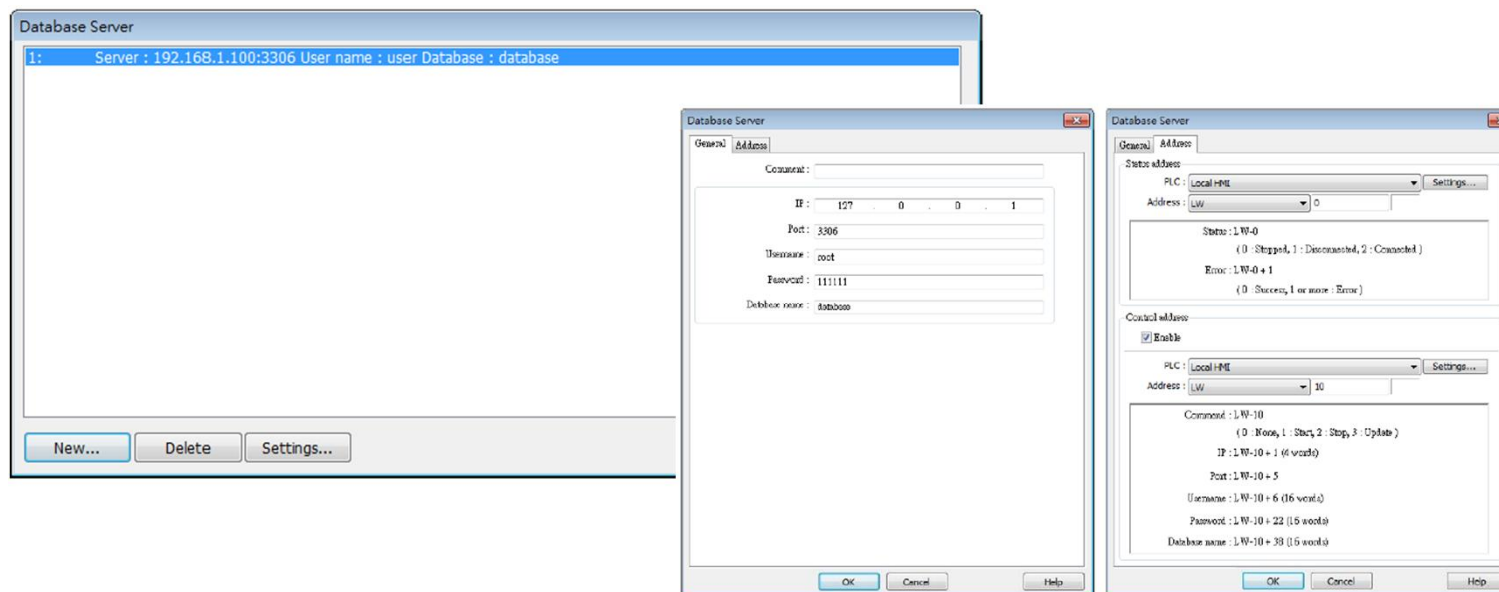
FTP-server

- Reseptien päivitys
- Varmuuskopiointi
 - Reseptit
 - Tiedonkeruu
 - Hälytykset
- Myös automaattinen tiedostojensiirto apuohjelmiston avulla



Database server → MySQL

- Database Server –objekti
 - Mahdollistaa HMI:n kytkemisen serveriin (PC) sallien käyttäjän lähettää kerättyä dataa tai tapahtumalokin MySQL-tietokantaan



SD-kortti / USB-muisti

- Download / upload
 - Projektit
 - Reseptit
 - Tapahtumaloki
 - Datankeruu
 - Kuvat
 - Videot
 - Varmuuskopiot
 - jne.



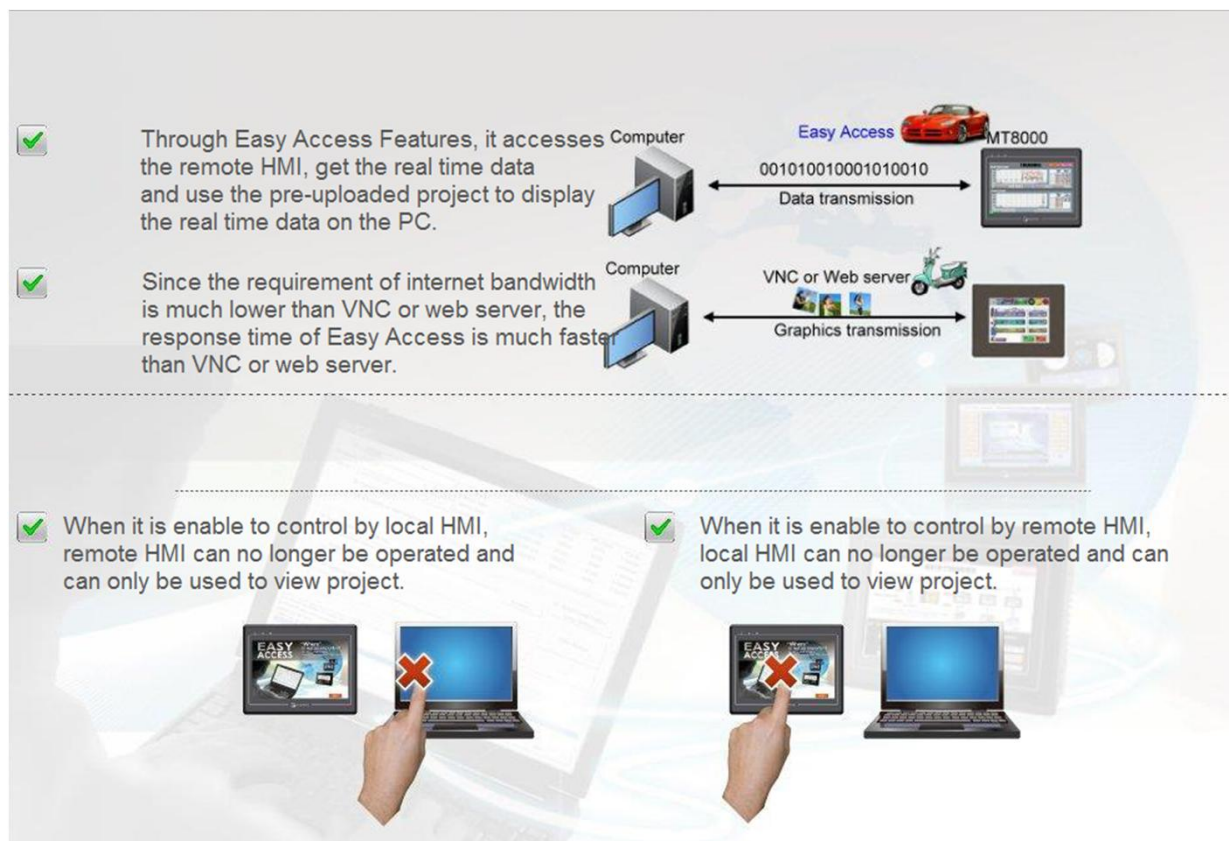
Multi-HMI Communication



Läpιοhjelmointi



Easy Access - etäkäyttö



Kiitos
mielenkiinnostanne!

Kysyttävää?





Videotulot

- USB-kamera
 - Live videokuva
 - Still-kuvien tallennus SD-kortille
- 2 kanavaa analogiakameroille
 - Live videokuva
 - Still-kuvien tallennus SD-kortille tai USB-muistille
 - Kuvasarjojen tallennus SD-kortille tai USB-muistille
 - Tallennetut kuvasarjat maksimissaan 20 sekuntia, kuva / s, yhteensä 21 kuvaa
 - Maks. 10 kuvaa ennen triggausta ja maks. 10 kuvaa triggauksen jälkeen

Kuvien ja kuvasarjojen katselu mahdollista päätteen MediaPlayerilla.





Build-In Function Block

Mathematical Functions	Data Transformation	Data Manipulation	Bit Transformation	Communication	String Operation Functions		Recipe Query Functions	Miscellaneous
ACOS	ASCII2DEC	FILL	GETBIT	ADDSUM	StringBin2DecAsc	StringIncluding	RecipeGetData	ASYNC_TRIG_MACRO
ASIN	ASCII2FLOAT	HIBYTE	INVBIT	CRC	StringBin2HexAsc	StringInsert	RecipeQuery	Beep
ATAN	ASCII2HEX	HIWORD	SETBITOFF	DELAY	StringCat	StringLength	RecipeQueryGetData	FindDataSamplingDate
COS	BCD2BIN	LOBYTE	SETBITON	GetCTS	StringCompare	StringMid	RecipeQueryGetRecordID	FindDataSamplingIndex
COT	BIN2BCD	LOWORD		GetData	StringCompareNoCase	StringReverseFind		FindEventLogDate
CSC	DEC2ASCII	SWAPB		GetDataEx	StringCopy	StringSet		FindEventLogIndex
CUBERT	FLOAT2ASCII	SWAPW		GetError	StringDecAsc2Bin	StringSetEx		SYNC_TRIG_MACRO
LOG	HEX2ASCII			INPORT	StringDecAsc2Float	StringToLower		TRACE
LOG10				INPORT2	StringExcluding	StringToReverse		
POW				OUTPORT	StringFind	StringToUpper		
RAND				PURGE	StringFindOneOf	StringTrimLeft		
SEC				SetData	StringFloat2DecAsc	StringTrimRight		
SIN				SetDataEx	StringGet			
SQRT				SetRTS	StringGetEx			
TAN				XORSUM	StringHexAsc2Bin			