



Web Inside, Smart Engine



WISE Overview

- WISE = Web Inside, Smart Engine
 - Web Page for Properties / Rules setting
 - Rule Engine for Control / Logic execution
- Easy-to-use configuration interface, no programming required, more types of I/O supported and flexible logic setting.



Web Anywhere, Automation Anywhere !

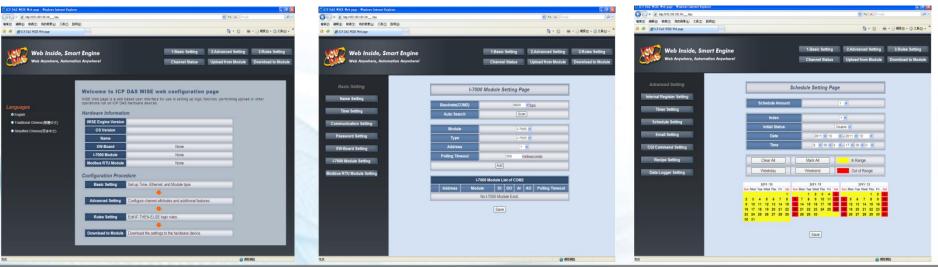
Features - Web-based operation

- No extra software tool required
 - WISE HMI interface runs on the popular web browsers
- No programming required
 - WISE provides user-friendly web pages for configuration logic rules.
- Properties/Control Rules setting via WISE Web page just a few clicks away.

Step 1. Open the WISE WEB page

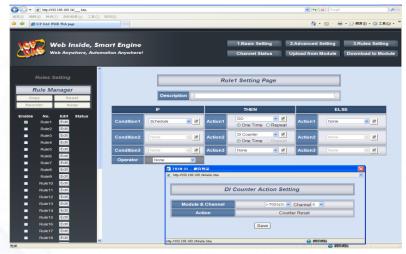
Step 2. Basic Property Setting

Step 3. Advanced Property Setting

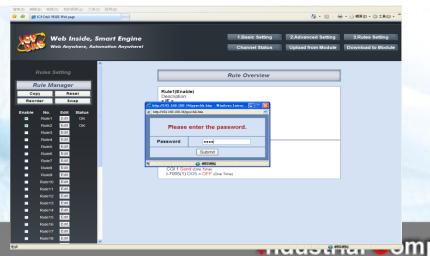


Features - Web-based operation

Step 4. Rule Editing



Step 6. Rule Download & Finish



Step 5. Rule Overview

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* * 6	ICP DAS WI	22 Web pag	,			<u>⊡</u> • ⊡ · (▶ • 🕞 柄頁① • ③ 工具② • "
100	🗩 v	/eb li	nside. S	mart Engine	1.Basic Settin	ng 2.Advanced Setting	3.Rules Setting
				mation Anywhere!	Channel Statu	us Upload from Module	Download to Module
					Chainer Gale		Dominoud to modulo
				<u>.</u>			
					-		1
		etting			Rule Overview	/	
F	Rule Ma	nager			<u>(</u>		1
Co		Ret			Rule1(Enable)		
Reo		Sw			<pre>Description: < IF ></pre>		
			<u> </u>		Schedule 1 In Range		
Enable	No.	Edit	Status		< THEN > I-7005(1) DO0 = ON (One Time)		
	Rule1 Rule2	Edit	OK OK		I-7024(5) AO2 = 10 mA (One Time) Email 1 Send (One Time)		
	Rule2 Rule3	Edit	OK		< ELSE >		
	Rule4	Edit			I-7005(1) DO0 = OFF (One Time)		
	Rule5	Edit			Rule2(Enable)		
	Rule6	Edit			Description:		
	Rule7	Edit			I-7053(3) DI4 = ON		
	Rule8	Edit			< THEN > CGI 1 Send (One Time)		
•	Rule9	Edit			I-7005(1) DO5 = OFF (One Time)		
•	Rule10	Edit					
•	Rule11	Edit					
•	Rule12	Edit					
	Rule13	Edit					
	Rule14	Edit					
	Rule15 Rule16	Edit					
	Rule16 Rule17	Edit					
	Rule18	Edit					
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20.04						6 40	

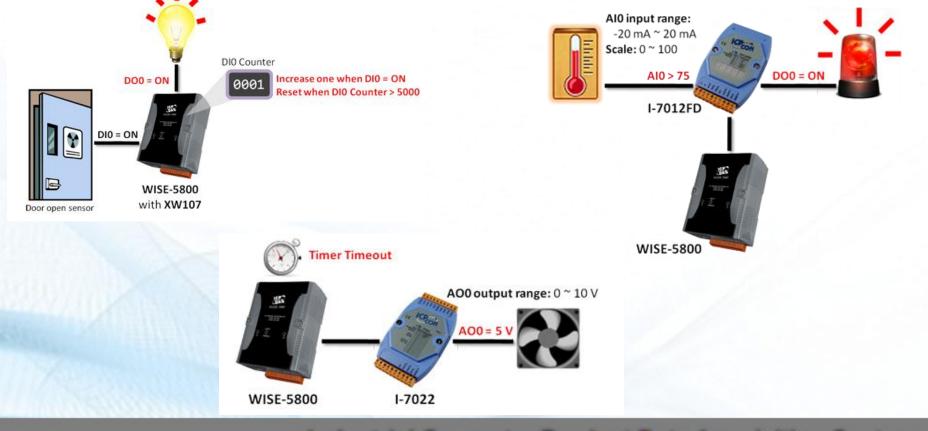
Step 7. Rule engine execution & I/O value display

Channel Status Page									
	Module	I-7012FD(15) •							
		DI Channel							
Channel		Ch.0							
Nickname		Door							
Value		OFF							
Counter		2							
		DO Channel							
Channel	Ch.0		Ch.1						
Nickname	Light1		Light2						
Value	OFF		ON						
		Al Channel							
Channel		Ch.0							
Nickname		Voltage							
Value		3.00							

- Support IF-THEN-ELSE logic rules execution
 - Provides IF-THEN-ELSE Intelligent rule engine.
 - Supports 36 logic rules

	IF Conditions			
DI Channel	$ON \mathbin{\scriptstyle\smallsetminus} OFF \mathbin{\scriptstyle\searrow} ON$ to $OFF \mathbin{\scriptstyle\searrow} OFF$ to $ON \mathbin{\scriptstyle\searrow} Change$			
AI Channel	= \ > \ < \ >= \ <=(value)			
Internal Register			THEN	/ ELSE Actions
DI Counter	= ` > ` < ` >= ` <=(value) ` Change			ON OFF Pulse Output
Timer	Timeout 🖻 Not Timeout	WISE	DO Channel	Just for XW-Board)
Schedule	In Range 🕤 Out of Range	IF-THEN-ELSE	AO Channel	Change the value
Rule Status	Enable Disable	Rule Engine	Internal Register	Change the value
			DI Counter	Reset
			Timer	Start 🖻 Reset
			Schedule	Enable 🔨 Disable
			Email	
			SMS	Send
			CGI Commands	1
			Recipe	Execute
			Data Logger	Start 、Stop、One-Time
			Rule Status	Enable Disable

- Fully Automation function supported
 - AIO & DIO operation supported



- **Fully Automation function supported**
- *Schedule* task operation *Timer* task operation



- Fully Automation function supported
- Remote alarm via *Email* Remote alarm via *SMS*

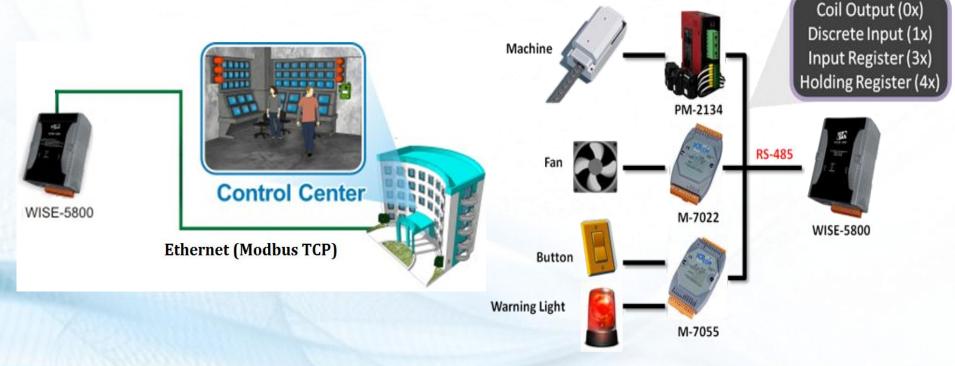


- Fully Automation function supported
- *Recipe* function supported Remote Control via **CGI** • command Recipe A00 = 5 1-7022 Door is opened DI0 = ONwithout permission. DI0 = ONDO0 = ONWarning Light I-7012FD Send CGI Command Send Email I-7012FD WISE-5800 Mail Server Send CG Commai WISE-580 **IP** Camera

- Fully Automation function supported
- *Seamless integration* with SCADA software

Modbus RTU device supported

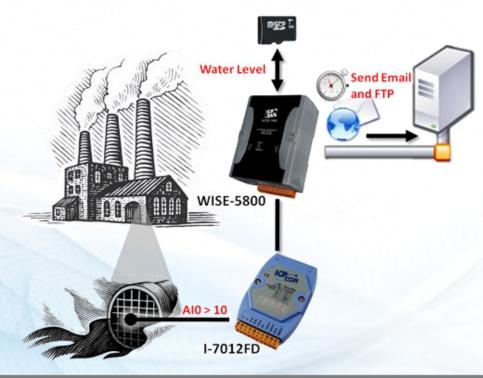
Modbus RTU





Features – Data Logger

- Real-time record the I/O channel data of the controller by *Event Trigger* or *Periodic Time*
- Automatically send back the data files by *FTP* or *Email* to the control center





Features

- No extra software tool required
 - WISE HMI interface runs on the popular web browsers
- No programming required
 - WISE provides user-friendly web pages for configure logic rules.
- Support IF-THEN-ELSE logic rules execution
 - Provide the intelligent rule engine by IF-THEN-ELSE.
 - Support 36 logic rules
- Variety IO function provide
 - AIO、DIO、DIO Counter、DO Pulse output
- Support Modbus TCP Protocol
 - Seamless integration with SCADA software



Features

- Remote alarm via SMS(Only WISE-4000 & WISE-5801) or Email
 - Real time alarm message sending
- Support Timer/Schedule(Not for WISE-71xx) functions
 - Perpetual calendar, and 12 independent timer settings
- Support Recipe function for Group Action operation
 - Grouping actions together, like Macro
- Support CGI command
 - Easy to link with Surveillance system
- Support Advanced P2P Control (Not for WISE-5800)
 - Not just traditional P2P
 - WISE controllers can share their IO status
 - WISE controllers control and communicate with others directly



WISE Platform



WISE Series

_	
	 Intelligent Controller with built-in I/O module for AIO & DIO operation Support PoE (Power over Ethernet) function Support Email message sending and CGI Command sending function Support Timer function
WISE-71xx	 Support Modbus TCP for integration with SCADA software Not support Schedule function
KINAN ANARAN ANA	 Intelligent Controller with I/O interchangeable module for AIO & DIO operations Support X-Board (X107, X109, X110, X111, X202, X203, X303, X304, X305, X308, X310, X324) or FRnet (FR-2053, FR-2054, FR-2057) Support PoE (Power over Ethernet) function Support Email message sending and CGI Command sending function Support Timer function Built-in RTC for Schedule function Support Modbus TCP for integration with SCADA software





description of the	Intelligent Controller with built-in AI & DIO module
1	Support Email message sending and CGI Command sending function
	Support Timer function
	Built-in RTC for Schedule function
	 Support Modbus TCP for integration with SCADA software
WISE-4000(D)	Support SMS message sending for alarm status





WISE-5801

WISE Series

- Intelligent Controller with I/O interchangeable module and Remote I/O devices for AIO & DIO operations • I/O module supported *XW-Board by Local Bus *I-7000 remote I/O Module (up to 16) by RS-485 *Modbus_RTU Slave module (up to 10) by RS-485 **WISE-5800**
 - Support Email message sending and CGI Command sending function
 - Support Timer function
 - Built-in RTC for Schedule function
 - Support Modbus TCP/RTU for integration with SCADA software
 - Support Active I/O for integration with SCADA software
 - Support Data Logger function with micro SD card
 - Support SNTP for time synchronization
 - Web page for mobile device operation
 - Fully SMS Function Supported(Only for WISE-5801)

*SMS alarm message sending *SMS command receiving



WISE-71xx Series

	Module Type		I/O Fui	nctions		Note
San and a second s		DI	DO	AI	AO	
	WISE-7105	-	4	8	-	Support Thermistor
WISE-71xx	WISE-7115	-	-	7	-	Support RTD
	WISE-7117		4	8	-	-
WISE-790x	WISE-7118Z	-	6	10	-	Support
WISE-4000	WISE-7119	-	4	8		Thermocouple
	WISE-7126	2	2	6	2	-
WISE-580x	WISE-7142		16	-	-	-
	WISE-7144	8	8	-	-	-
	WISE-7151	16	-	-	-	
22/11/20	WISE-7152	8	8	-	-	-
State.	WISE-7160	6	6	-	-/	Power Relay
17ALS	WISE-7167	-	8	-	-	Output



WISE-7901(D)

	Module	WIS	E-7901	W	ISE-79	01D
	Ethernet Port	10/	100 Base-	TX with F	PoE funct	ion
	LED Display		(dittine)		Yes	
WISE-790x	I/O Functions		I/O Interch	nangeable	e Boards	
WISE-71xx			DI	DO	AI	AO
		X107	6	7	-	-
WISE-4000		X109	-	7	-	-
		X110	14	-	-	-
WISE-580x		X111	-	13	-	-
	Statement and	X202	-	-	7	-
		X203	2	6	2	-
		X303	4	6	1	1
		X304	4	4	3	1
		X305	2	2	7	1
		X308	-	6	4	-
11111111111111		X310	3	3	2	2
	Indust	X324	-	4	-	4



WISE-7902(D)

No.	Module	WIS	E-7902	W	WISE-7902D			
	Ethernet Port	10/100 Base-TX with PoE function						
	LED Display		10X0		Yes			
WISE-790x	I/O Functions		FRnet rer	note I/O	/O modules			
WISE-71xx			DI	DO	AI	AO		
WISE-4000		FR-2053	16	-	-	-		
		FR-2054	8	8	-	-		
WISE-580x		FR-2057	-	16	-	-		





WISE-4000(D)

	Module	WISE-4000	WISE-4000D			
U	Ethernet Port	10/100	Base-TX			
WISE-4000 WISE-71xx	GSM Quad-band 850/900/1800/1900 MHz for S					
WISE-7901	I/O Function	3 DI, 3	DO, 8 AI			
WISE-580x	LCD Display	_	Yes			

•Web function still through Ethernet interface(RJ45)

• No support GPRS for Data sending

WISE-580x

	Module	WISE-5800	WISE-5801					
1271	Ethernet Port	10/100 Base-TX						
WISE-580x	I/O Function	I-7000 Mod	Board lules (up to 16) Aodules (up to 10)					
WISE-71xx WISE-7901	Data Log		ording or event trigger 2G MicroSD card					
WISE-4000	Time Sync	Suppo	rt SNTP					
	Active I/O		ADA software actively odbus TCP					
and in	SMS	- (Send alarm an receive comman						
17	 Web function still No support GPRS 	through Ethernet interface(RJ4 for Data sending	45)					



WISE-580x I/O Function

- Provide a wide range of I/O module to select from
 - Support XW-Board, I-7000 I/O Modules(Up to 16) & Modbus RTU Slave Device(Up to 10)

Module		WISE-5800					Module		WISE-5800					
Interface	Interface RS-485							Interface RS-485						
I/O Functions	I/O Functions I-7000 AI/AO Module							I/O Functions	fot	7000 D	I/DO M	odule		
		Model	DI	DO	AI	AO				Model	DI	DO	AI	AO
	Voltage &	I-7012	1	2	1	-				I-7041	14	-	-	•
	Current	I-7017	-	-	8	·			DC	I-7051	16	-	-	
	Thermocouple	I-7011	1	2	1	·			Digital Input	I-7052	8	-	-	· ·
		I-7018	-	-	8	·				I-7053	16			
		I-7019	-	-	1	·			AC	I-7058	8			
		I-7013	-	-	1				Digital Input	1-7059	8			
	RTD	I-7015	-	•	6					1-7042		13		
		I-7033	-	•	3	·			DC	1-7042	-	16	-	
	Thermistor	I-7005	-	6	8	·			Digital Output				-	· ·
	Transmitter	I-7014	1	2	1	-				I-7045	-	16	•	·
Analo		I-7021	-	-	•	1			DC Divital	I-7044	4	8	-	•
	Analog Output	I-7022	-	-	-	2			DC Digital Input & Output	I-7050	7	8	-	-
		I-7024	-	-	-	4			input & Output	I-7055	8	8	-	-



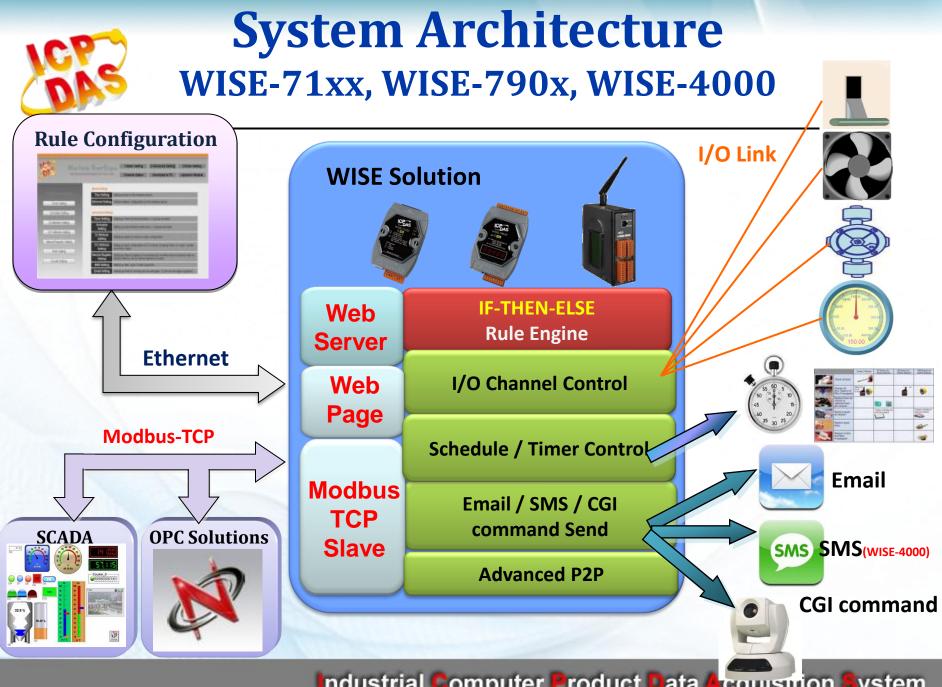
WISE-580x I/O Function

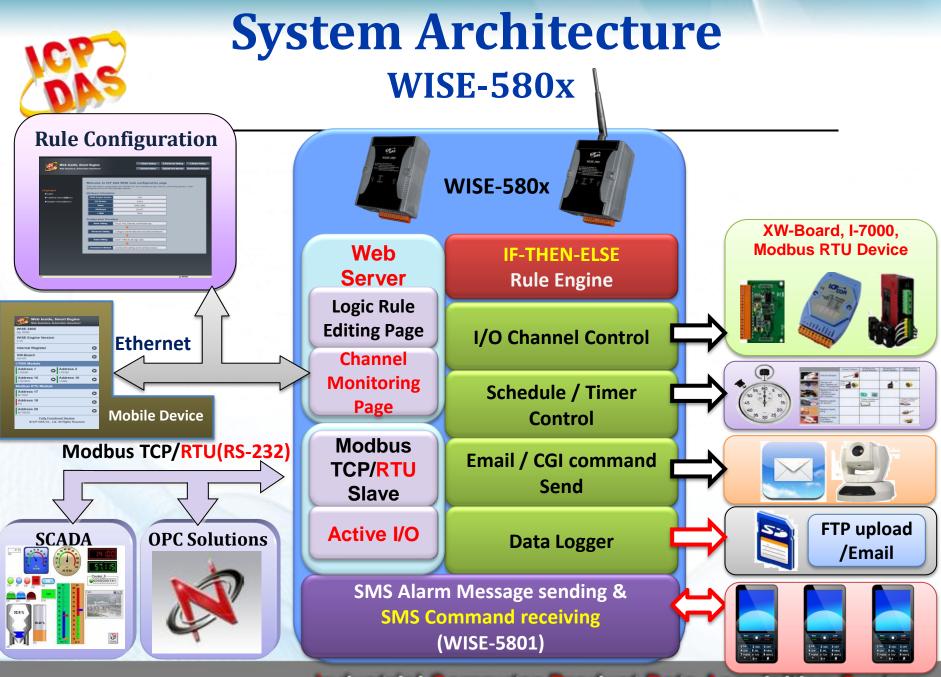
- Provide a wide range of I/O module to select from
 - Support XW-Board, I-7000 I/O Modules(Up to 16) & Modbus RTU Slave Device(Up to 10)

Module	WISE-5800								
Interface		RS-485							
I/O Functions	-7(000 Re	lay	Outp	ut Moo	dule			
		Mode	I	DI	DO	AI		AO	
		I-706	ו	4	2	-		-	
	_	I-706	1	-	12	-		-	
_	Power Relay Output	I-706	3	8	3	-		-	
		I-706	5	4	5	-		-	
		I-7067	7	-	7	-		-	
	Solid State	I-7063A	VВ	8	3	-		-	
	Relay Output	I-7065A	VВ	4	5	-		-	
	Photomos Relay Output	I-706	6	•	7	-		-	
		I-7000	Ot	ners N	Nodule	;			
III HIN I		Model	D	Counte	r DC)	AI	AO	
a sector by by	Counter/	I-7080		2	2		•	-	
	Frequency	I-7088		8	8		-	-	

Module	WISE-5800				
Interface	Local Bus				
I/O Functions	XW-Board				
		DI	DO	Al	AO
	XW-107	8	8	-	•
	*XW- 110	16	-	-	-
	*XW- 304	4	4	6	1
	*XW- 310	3	3	4	2
	*XW-310c	3	3	4	2

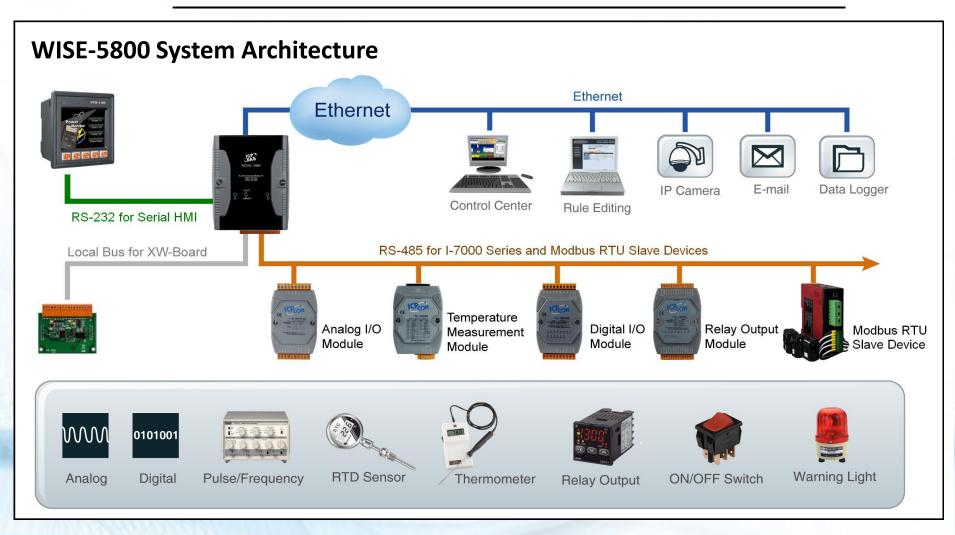
* : Available soon (XW-110 XW-304 & XW-310 is by request)







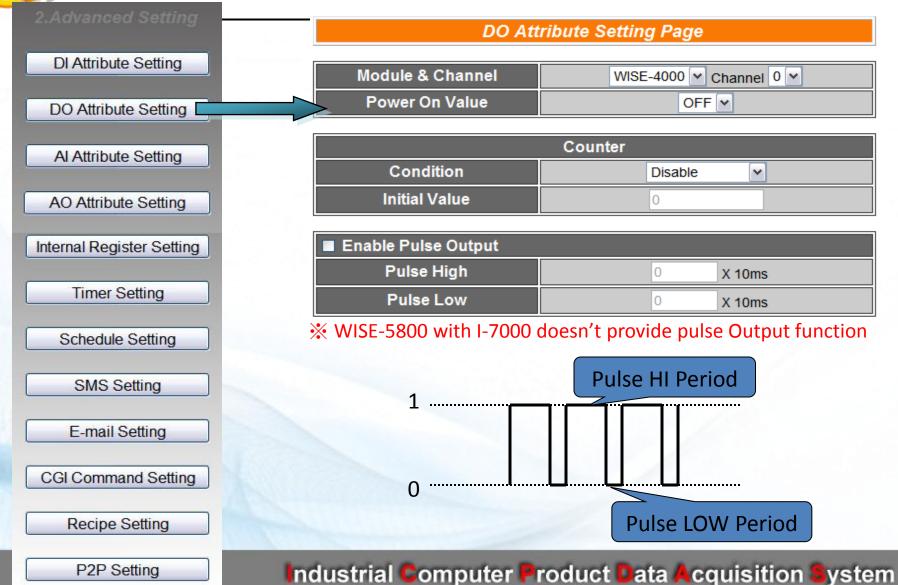
WISE-580x Architecture

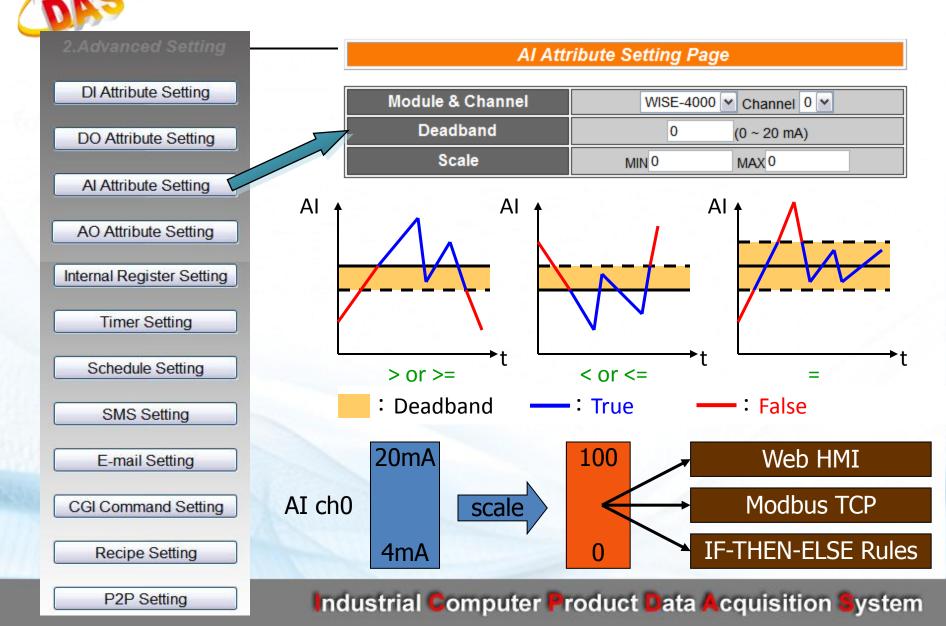


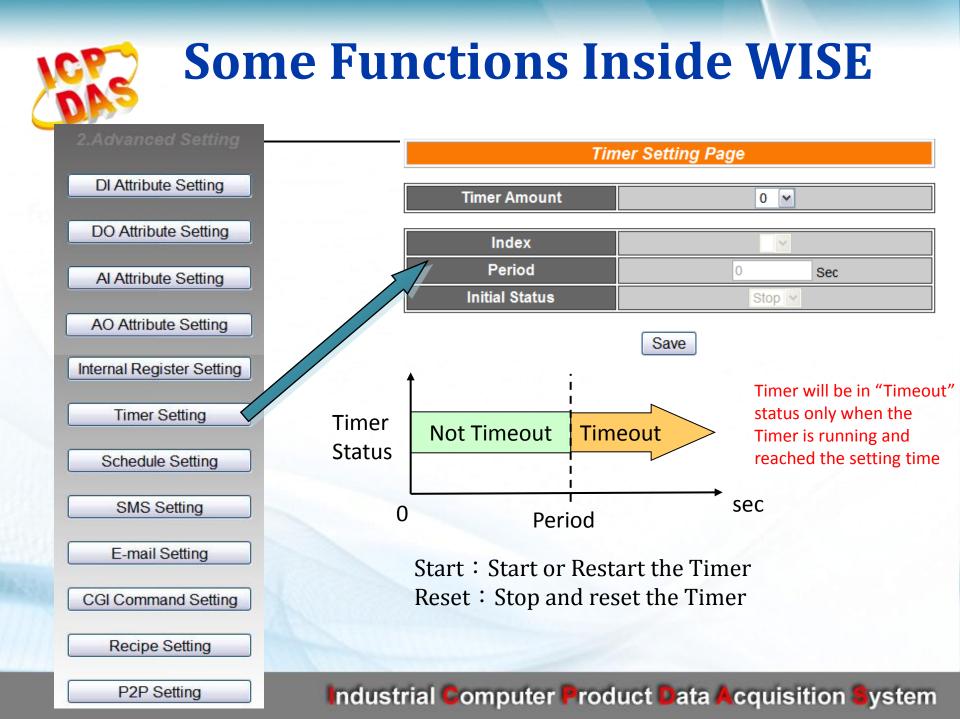


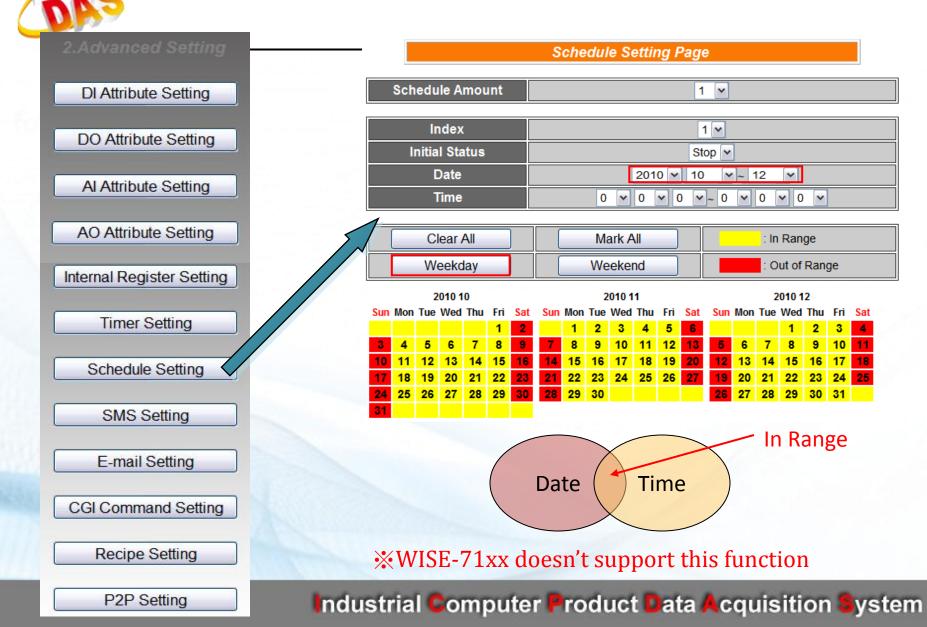
Some Functions Inside WISE

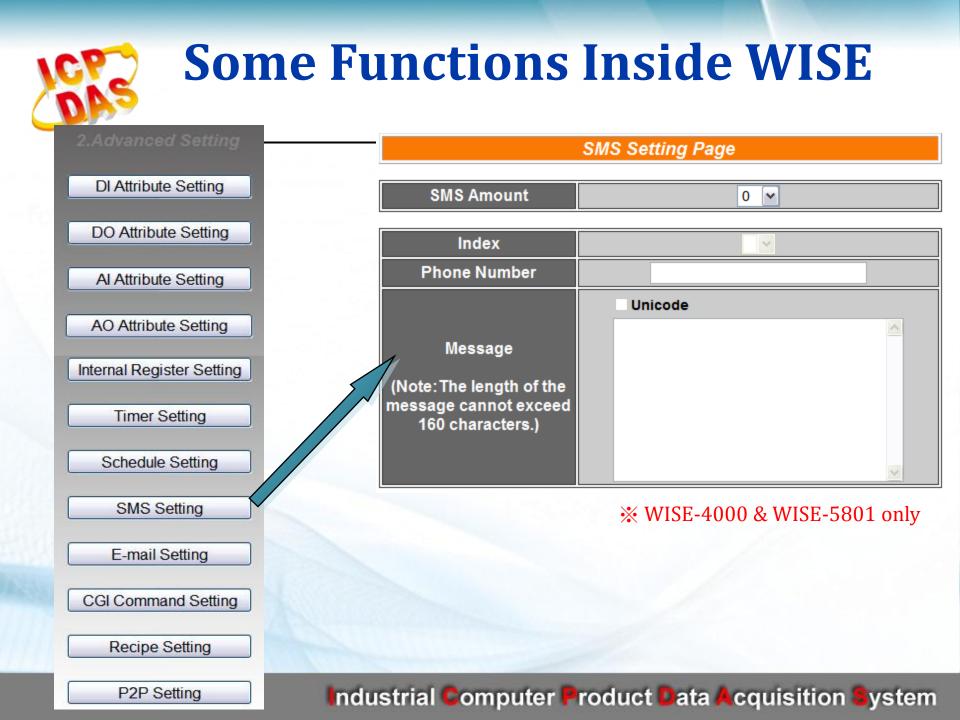
VCP-S



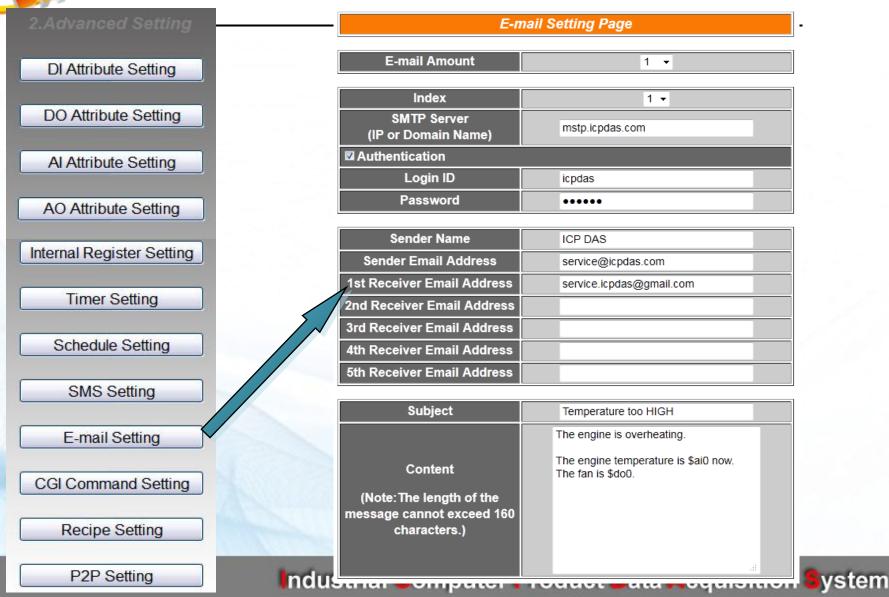




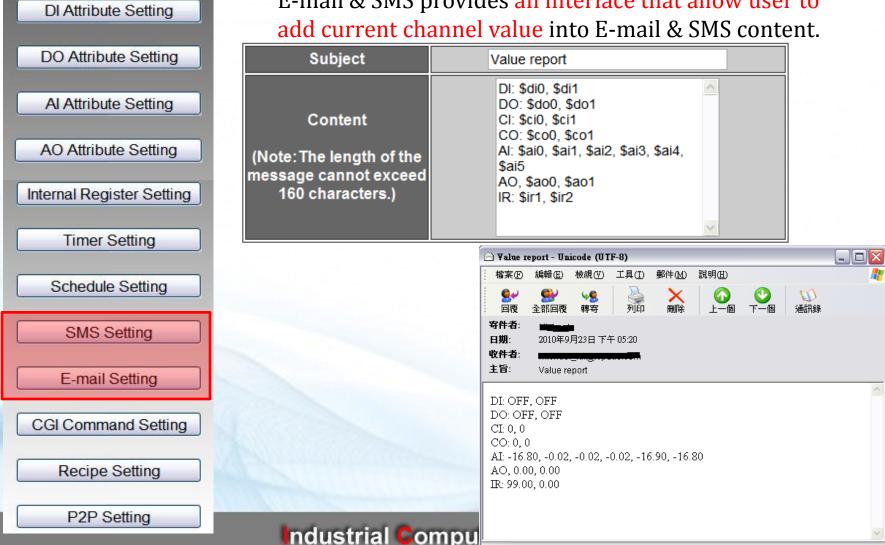




ICP S

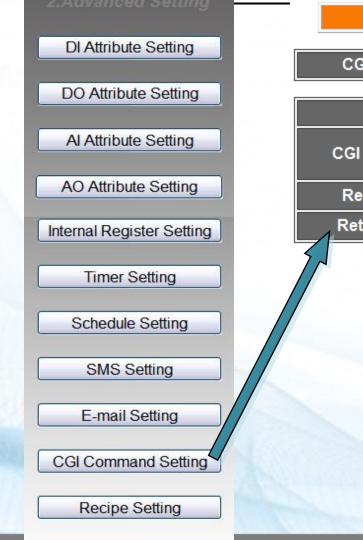


E-mail & SMS provides an interface that allow user to



VCP-S

Some Functions Inside WISE

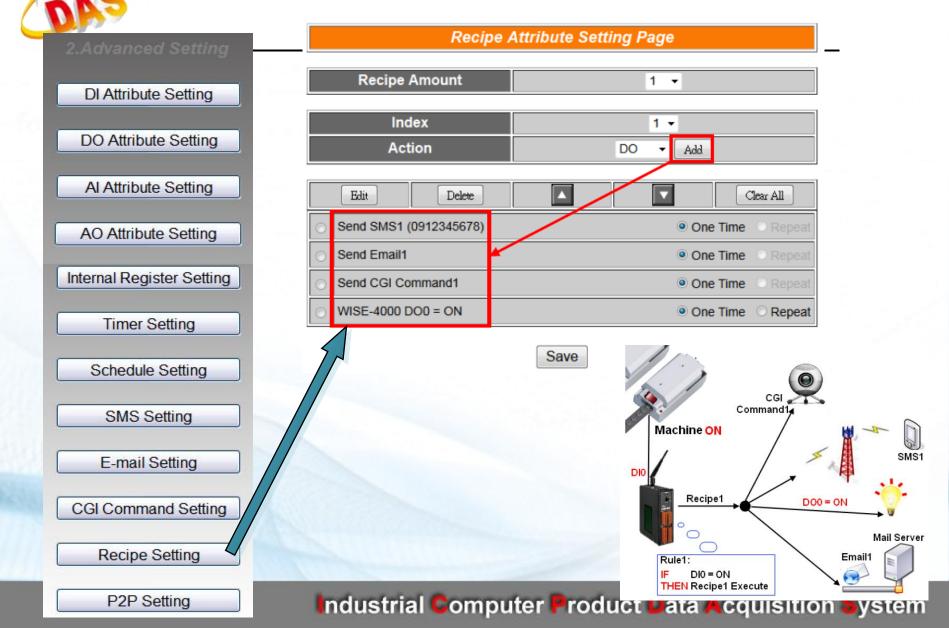


P2P Setting

CGI Command Setting Page

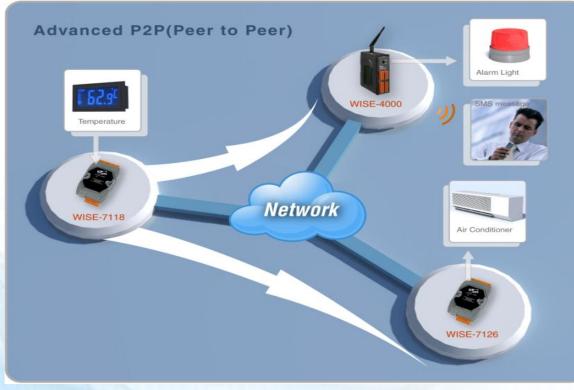
CGI Amount	0 🗸					
Index	<u> </u>					
CGI Command	HTTP://					
Retry Count	times					
Retry Interval	Sec					
CGI command						

Some Functions Inside WISE



Some Functions Inside WISE

- Traditional P2P function is just 1-to-1 DI-DO Mapping.
- WISE's Advanced P2P is WISE controllers can real-time share their DIO 、 AIO 、 Counter 、 IR information to each other through network.

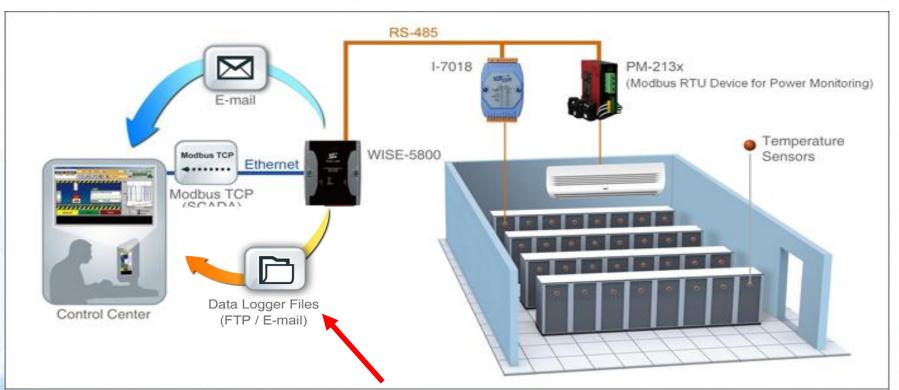


WISE-580x doesn't support this function





• Support Data Logger function



WISE-5800 enables real-time recording I/O data and allows to send the data files by FTP or Email to the control center for further administration management or data analysis.



- Support Data Logger function
 - Equips 2G microSD storage for I/O data recording
 - Allows to set up "Sampling Rate", "Recording period for each log file" and "Total number of log file to be kept"
 - Allows to record I/O data in two ways
 - Period Recording : Record by "Sampling Rate" Setting (10sec, 30sec, 1min, 2min, 3min, 5min, 10min, 20min, 30min, 1hour)
 - Event Trigger Recording : Record in response to IF-THEN-ELSE Action (One time Log)
 - Close Log file every $1 \cdot 2 \cdot 3 \cdot 4 \cdot 6 \cdot 8 \cdot 12 \cdot 24$ hour(s)
 - When the micro SD card's free space is less than 20%, WISE-580x will delete the old log files, and only keeps the data logger files of the last month.
 - Allows to send back data file
 - By FTP
 - "Scheduled": User can define the Timing to send back all log files automatically by FTP everyday
 - "Log file is closed" : When the data file is closed, this file will be sent back by FTP.
 - By Email
 - "Log file is closed": When the data file is closed, this file will be sent back by Email (As an attached file).



Support Data Logger function

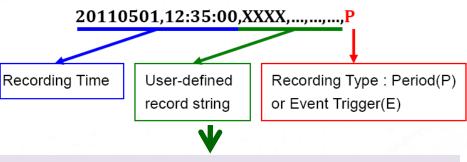
File Name	Log
Data Format	Sm2di2,Sm1ao1, DI
Sampling Period	Enable 5 mins
Close Log File	Every 2 Mour(s)
otal number of Log File	30 💌

	Log F	ile Sending Attribute
⊠ E-mail	Index	(Send as attachment when the log file is closed)
	IP	192 168 100 34
	Port	21
	Login ID	wise Anonymous
# FTP	Password	[]
	FTP Path	Log
	Timeout	3000 (milliseconds)
	Time to upload	 ○ Log file is closed ○ Every day at 23 v o'clock

Save

Data file format(CSV):

 An interface that allow user to add current channel value into Data Format.



- Data Format : "\$m2di2,\$m1ao1".
- ✓\$m2di2 : The I-7000 module(Address:2) DI2 value \$m1ao1 : The I-7000 module(Address:1) AO1 value
- ✓ Real data in Log file : 20110819,12:35:00,ON,5.3,P 20110819,12:35:10,OFF,4.0,P

moustman _omputer Product Data Acquisition System



Web page for mobile device operation Web Inside, Smart Engine Web Inside, Smart Engine Web Anywhere, Automation Anywhere! Web Anywhere, Automation Anywhere! WISE-5800 My WISE WISE Engine Version 2.10 C Internal Register XW-Board O XW107 Login Password: I-7000 Module Address 1 Address 2 O I-7018Z I-7024R Address 15 Address 16 C Submit I-7012FD 1 - 7060Modbus RTU Module Address 17 O M-7022 Address 18 C PC Address 20 C M-7055D

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DO		Guest
Ch.0	Ch.1	Jucst
Switch 1	Switch 2	
Ch.2	Ch.3	
Switch 3	Switch 4	
Ch.4	Ch.5	
Switch 5	Switch 6	
Ch.6	Ch.7	
Switch 7	Switch 8	
	•	

Go to Logic Setting page © ICP DAS Co., Ltd. All Rights Reserved

Administrator

DO	
Ch.0	Ch.1
Switch 1	Switch 2
ON I	ON
Ch.2	Ch.3
Switch 3	Switch 4
ON	ON
Ch.4	Ch.5
Switch 5	Switch 6
OFF	OFF
Ch.6	Ch.7
Switch 7	Switch 8
	OFF
	Ch.0 Switch 1 ON Ch.2 Switch 3 ON Ch.4 Switch 5 OFF Ch.6 Switch 7

Go to Logic Setting page CD DAC Co. Ltd. All Dights Do

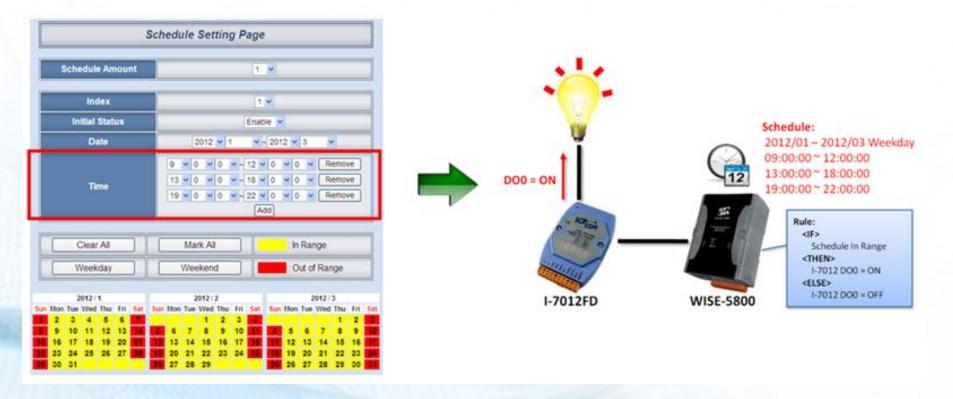
ystem

Industrial Computer Product



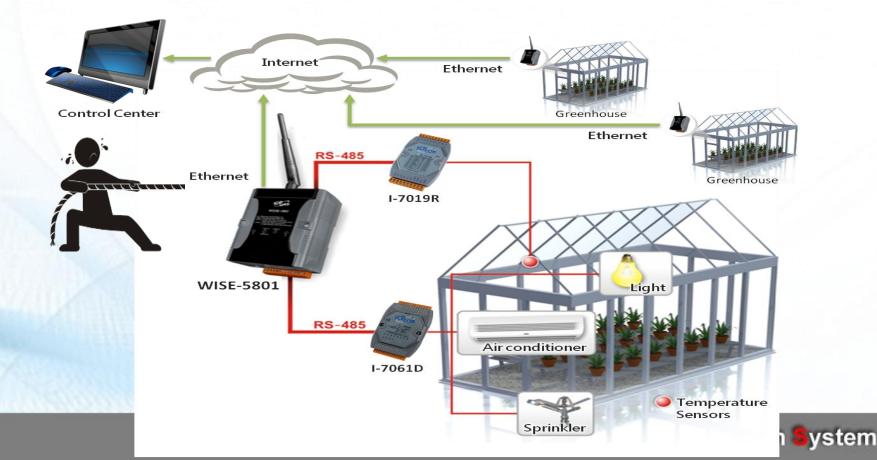
More powerful schedule function provided

• For 3 shifts lighting control system in factory or office, school bell control system...etc.



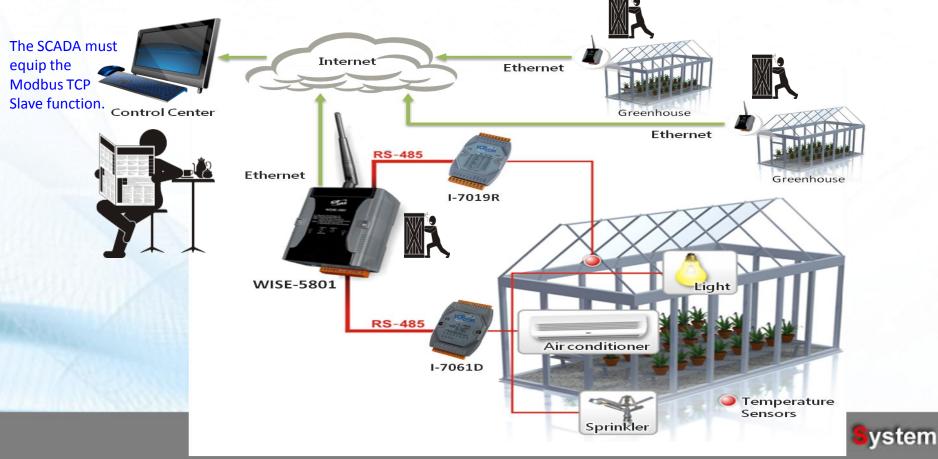
Waraditional Polling Mechanism

- The Polling Mechanism
 - Lower efficient in data communication
 - Lower efficient in saving Network resources





- Active I/O function
 - More efficient in data communication
 - More efficient in saving Network resources





• SMS alarm message sending function





SMS SMS WISE-5801's response SMS command **Original Command Quick Command** Attention! The current temperature receiving function of the greenhouse is 40.12 ACT:1/1 SMS Command 1 set as 1 on **GET:**\$ir1 **GET 2.00** counter SET:\$m2do2/1 SET I-7061(2) DO Channel 2 as ON light/1 WISE-5801 SET:\$m2do2/0 light/0 SET I-7061(2) DO Channel 2 as OFF **RS-485** Temperature too high I-7019R Turn on the sprinkler and air conditioner Turn on the light Liaht Rule1: <IF> I-7019R AI0 > 40 °C **RS-485** <THEN> SMS Alarm Send **Air conditioner** Rule2: <IF> SMS Command 1 = 1 I-7061D <THEN> I-7061D DO0 = ON I-7061D DO1 = ON Temperature Internal Register 1 += 1 Sensors <ELSE> I-7061D DO0 = OFF Sprinkler I-7061D DO1 = OFF ct Data Acquisition System



WISE Software function

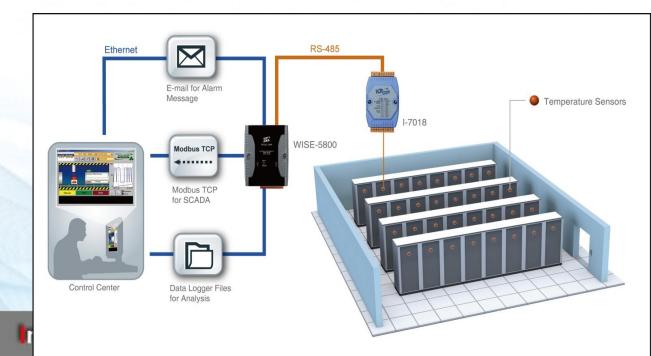
Module	WISE-71xx	WISE-790x(D)	WISE-4000(D)	WISE-580x	
IO Function	Built-in	X-board、FRnet	Built-in	XW-board > I-7000 > Modbus_RTU Device	
Rule Configuration Website	Yes	Yes	Yes	Yes	
36 IF-THEN-ELSE Logic Rule	Yes	Yes	Yes	Yes	
48 Internal Register	Yes	Yes	Yes	Yes	
12 Timer /12 Email/ 12 Recipe/12 CGI Command Supported	Yes	Yes	Yes	Yes	
Connect with SCADA or HMI	Yes (Support Modbus TCP)	Yes (Support Modbus TCP)	Yes (Support Modbus TCP)	Yes (Support Modbus TCP/RTU)	
8 P2P controllers Supported	Yes	Yes	Yes	-	
12 Schedule Supported	-	Yes	Yes	Yes (More Powerful)	
12 SMS Supported	-	-	Yes	Yes (WISE-5801, SMS alarm and SMS command)	
SNTP Time Synchronization	-	-	-	Yes	
Data Logger Support	-	-	-	Yes	
Active I/O Support	-	-	-	Yes	



Applications

Environment Monitoring

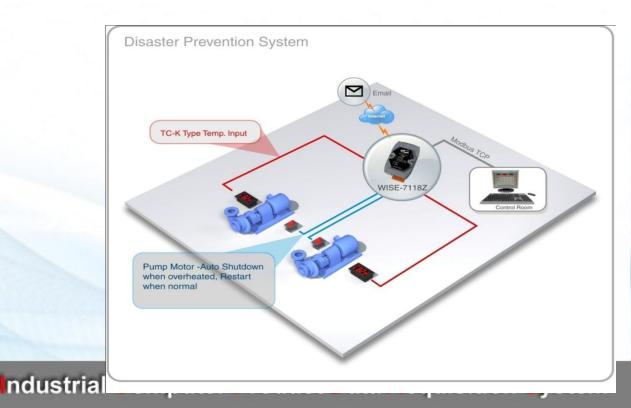
- Customer use WISE-5800 to monitor 120 temperature points.
- Customer can directly monitor 120 temperature points by WISE Web page directly, and send the alarm Email.
- Each set
 - WISE-5800 x 1
 - I-7018 x 16





Device Monitoring

- Customer use WISE-7115 to monitor device status.
- If the device's temperature exceeds 50°C, then send an email alarm every 30 minutes.





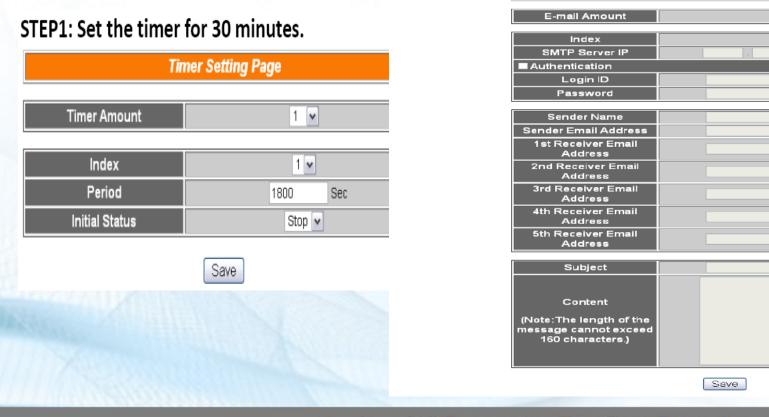
Device Monitoring

• 3 Steps to complete all thing

STEP2: Complete the Email Setting Page.

E-mail Setting Page

0 ~





Device Monitoring

• 3 Steps to complete all thing

STEP3: WISE Rule Setting.

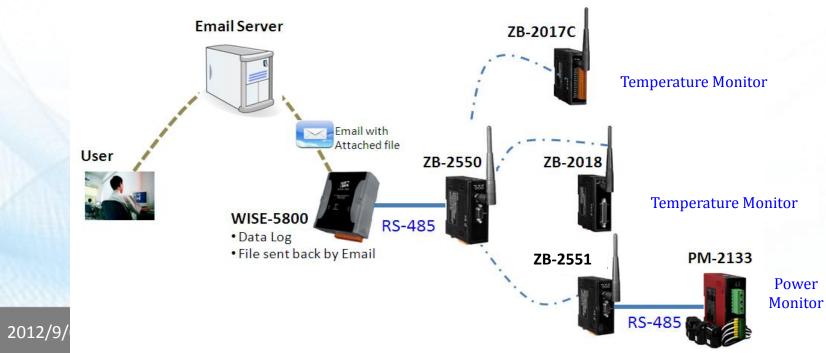
Rule Overview

Rule 1(Enable) Description: < IF > WISE-7115 Al0 > 50 °C < THEN > Email1 Send Timer1 Start < ELSE > Timer1 Stop

Rule 2(Enable) Description: < IF > Timer1 Timeout < THEN > Email1 Send Timer1 Start

Data Logger Application

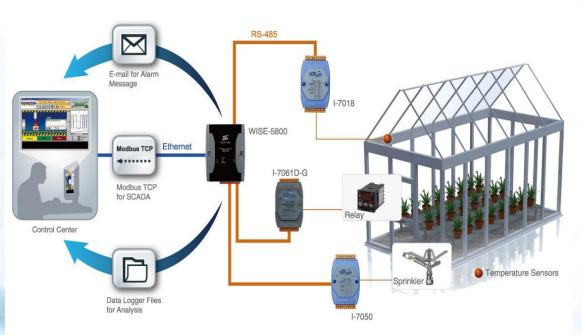
- The data logging application through Zigbee environment from customer
- Equipment
 - WISE-5800(Data Logger) + ZB-2550(Zigbee Host)
 - ZB-2017C-T (Wireless DAQ) & ZB-2018-T (Wireless DAQ)
 - ZB-2551(Zigbee Slave), PM-2133-100(Modbus RTU Power Meter)



DAS

Greenhouse Application

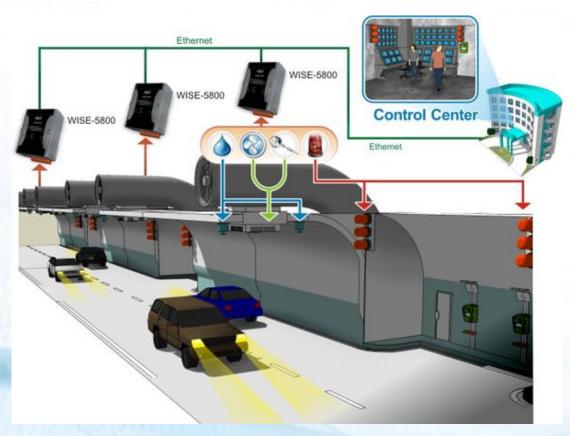
• WISE-5800 for Greenhouse monitoring



- Allow real-time monitoring & data logger of the temperature and humidity in the greenhouse
- Fan & Sprinkler control by WISE
- Information can be
 instantly transmitted to the
 control center and makes
 real time monitoring of the
 overall status for each
 greenhouse

Tunnel Monitoring System

• WISE-5800 in Tunnel Monitoring System



- Connect with ICP DAS I-7000 modules and Modbus RTU modules to control various I/O devices at the same time.
- IF-THEN-ELSE logic for the real-time monitoring for the on-site status and the immediately response for the emergency situations.
- Support Modbus TCP / RTU Protocol, enables to connect with SCADA software.



Unmanned Facility Room Monitoring System

• WISE-5801 in Unmanned Facility Room Monitoring System

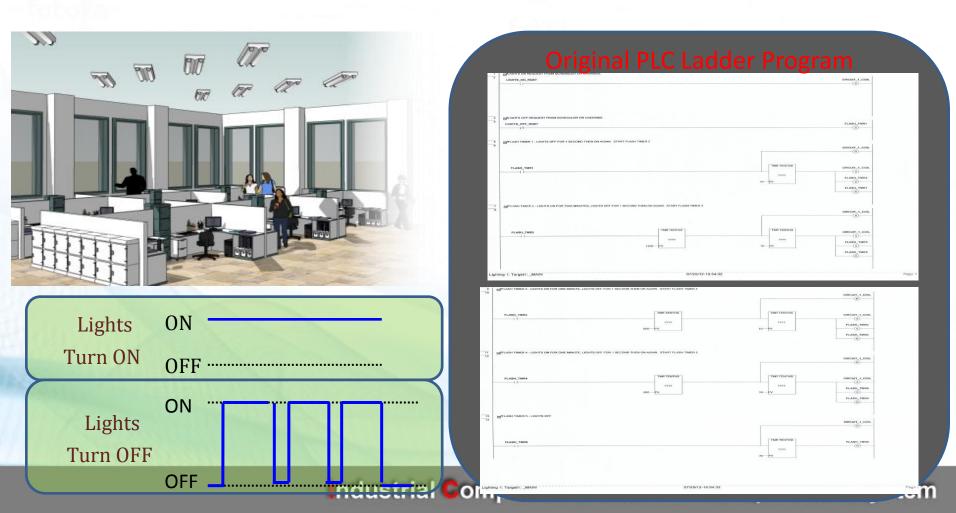


- Connect with ICP DAS I-7000 and Modbus RTU modules for the thermometer, hygrometer, air conditioner and power consumption monitoring and control.
 - IF-THEN-ELSE logic for the 24 hours on-site status monitoring and air conditioner redundant control.
- Two-way SMS capability enable WISE-5801 to send message automatically to the related personnel, furthermore, the related personnel could send SMS command message to WISE-5801 for the device remote control operation.



Lighting Control System

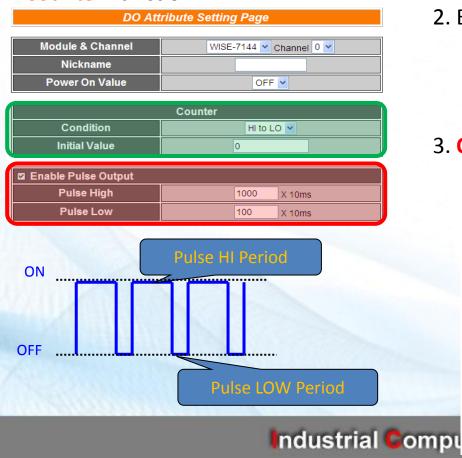
• Original system is using PLC for the lights control





• WISE-7142 in Lighting control system

1. Enable DO Pulse Output & Counter Function.



2. Enable Internal Register for SCADA software.

Internal Register Setting Page						
Enable	☑ No.01	✓ No.02	■ No.03	■ No.04	■ No.05	■ No.06
Nickname	LIGHTS-OFF-RI	Light Flash Pha				
Initial Value	0	0	0	0	0	0

3. Only 2 rules for the light control system.

```
Rule1(Enable)
Description: Chek LIGHTS OFF RQST, start LIGHT FLASH or others
 < IF >
    Internal Register1 = 0
 < THEN >
    WISE-7144 DO0 = ON (One Time)
    Internal Register2 = 0 (One Time)
    WISE-7144 DO0 Counter Reset (One Time)
 < ELSE >
    WISE-7144 DO0 = Pulse Output (One Time)
    Internal Register2 = 1 (One Time)
Rule2(Enable)
Description: Finish LIGHT FLASH loops
 < IF >
    WISE-7144 DO0 Counter >= 4 (AND)
    Internal Register2 = 1
 < THEN >
    WISE-7144 DO0 = OFF (One Time)
    Internal Register2 = 2 (One Time)
    WISE-7144 DO0 Counter Reset (One Time)
```



Others Applications

- Tank Monitor system
 - Monitor the water level of tank, and send Email or SMS for administrator .





Others Applications

- Home/Building/Campus Security
 - Emergency message sending
 - Surveillance system linking
 - Lighting control system

Industrial Computer Product Data Acquisition System

SMS Email

PTZ Dome

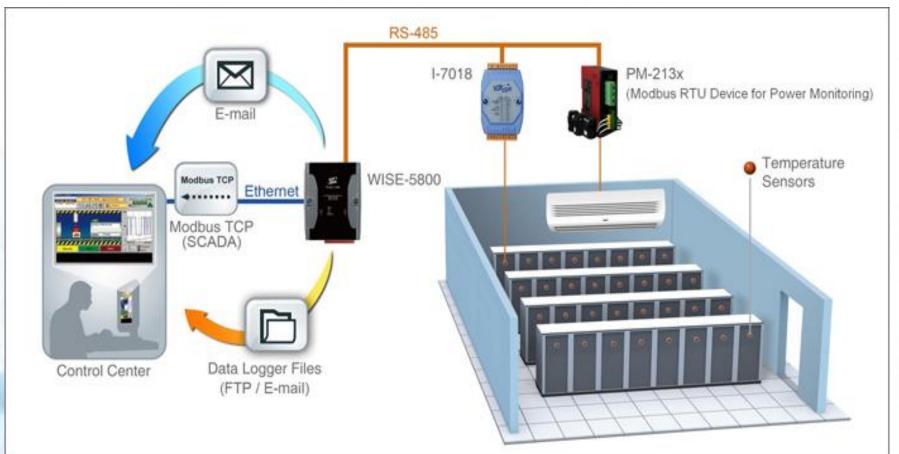
PTZ Dome

SMS



Others Applications

• Facility Management System





Why WISE ?

- WISE's Feature
 - Simple, easy-to-use, no-programming-required, Intelligent & webbased operation
 - A Real-Time automatic logic control & data recording controller in local site.
- The benefit from WISE
 - No extra software tool required, no programming required
 - Free from being distressed by the annoying program development and debug process.
 - Minimizes the learning curve, shorten time to market for system development
 - Dramatically reduce the labor and cost spent on system development



More Detail about WISE

- Please visit <u>http://wise.icpdas.com</u> for more detail information
- HOME Section for news
- Product Section for platform spec.
- Function Section for function introduction & Step-by-Step Document.
- Download Section
 - User Manual & Datasheet
 - New version firmware
 - Utility
 - WISE Firmware Uploader
 * for MUCE Firmware delta
 - * for WISE Firmware update
 - WISE Rule utility
 - * To export rule from PC to WISE.
 - * Import rule from WISE to PC.



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\sim Thank You Very Much \sim