Ethernet Analog I/O

User Manual

Version 1.1

Infosystem Technology Corporation, Ltd.

Ethernet Analog I/O Controller

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(Preliminary Version)

Index

| 1. Disclaimers • • • • • • • • • • • • • • • • • • • |
|--|
| A. Warranty • • • • • • • • • • • • • • • • • • • |
| B. Trademark · · · · · · · · · · · · · · · · · · · |
| 2. Product Information $\cdot \cdot \cdot$ |
| A. Introduction $\cdot \cdot \cdot$ |
| B. Features • • • • • • • • • • • • • • • • • • • |
| C. Applications $\cdot \cdot \cdot$ |
| 3. Exterior • • • • • • • • • • • • • • • • • • • |
| A. Overview • • • • • • • • • • • • • • • • • • • |
| B. Front Panel \cdot |
| C. Dimension • • • • • • • • • • • • • • • • • • • |
| 4. Specifications • • • • • • • • • • • • • • • • • • • |
| A. Basic Specifications • • • • • • • • • • • • • • • • • • • |
| - Part 1 • • • • • • • • • • • • • • • • • • |
| - Part 2 · · · · · · · · · · · · · · · · · · |
| B. LED Indicator and Switch Description • • • • • • • • • • • • • • • 10. |
| - Top View • • • • • • • • • • • • • • • • • • • |
| - Description $\cdot \cdot \cdot$ |
| C. Wiring • • • • • • • • • • • • • • • • • • • |
| - Analog Input Channels · · · · · · · · · · · · · · · · · · 12. |
| - DC 0.5A Digital Output x 2 (DO1, DO2) · · · · · · · · · 13. |
| D. ModBus Holding Register Definition • • • • • • • • • • • • • • • 14. |
| 5. Software Installation • • • • • • • • • • • • • • • • • • • |
| A. Install • • • • • • • • • • • • • • • • • • |
| - Step 1: Insert the CD and click the button • • • • • • • • • • 23. |
| - Step 2: Click the Link of the Page · · · · · · · · · · · · 24. |
| - Step 3: Press Next to Continue · · · · · · · · · · · · · 25. |
| - Step 4: Decide the Application Directory · · · · · · · · · · 26. |
| - Step 5: Create the Directory if not existent · · · · · · · · · · 27. |
| - Step 6: Create Program's Shortcut • • • • • • • • • • • 28. |

Ethernet Analog I/O Controller

Infosystem[®]

(Preliminary Version)

| - | Step 7: Decide if Desktop icon needed | 29. |
|------------------|--|-----|
| - | Step 8: Press Install to start installation • • • • • • • • • • • | 30. |
| - | Step 9: Process Installations | 31. |
| - | Step 10: Finish Installation • • • • • • • • • • • • • • • • • • • | 32. |
| B. Unins | | 33. |
| - | Step 1: Execute Uninstall Program • • • • • • • • • • • • • • • • • • • | 33. |
| - | Step 2: Click "Yes" to process | 34. |
| - | Step 3: Finished | 34. |
| 6. Configuration | on • • • • • • • • • • • • • • • • • • • | 35. |
| A. By Br | owser • • • • • • • • • • • • • • • • • • • | 35. |
| - | Step 1: Ready to login · · · · · · · · · · · · · · · · · · · | 35. |
| - | Step 2: Configure your parameters | 36. |
| - | Step 3: Finish and reboot | 37. |
| B. By S€ | etup Tools • • • • • • • • • • • • • • • • • • • | 38. |
| - | Step 1: Searching the devices $\cdots \cdots \cdots$ | 38. |
| - | Step 2: Double click the selected item • • • • • • • • • • • • | 38. |
| - | Step 3: Configure and update your parameters • • • • • • • • | 39. |
| C. By Di | rect Broadcast Commands | 40. |
| - | Command List A $\cdot \cdot $ | 40. |
| - | Command List B $\cdot \cdot $ | 41. |
| - | Command List C \cdot · · · · · · · · · · · · · · · · · · · | 42. |
| 7. Application | Notes • • • • • • • • • • • • • • • • • • • | 43. |
| A. Desci | ription • • • • • • • • • • • • • • • • • • • | 43. |
| B. Disab | ble Firewall of Windows XP SP2 · · · · · · · · · · · · · · · · · · · | 43. |
| - | Step 1: Execute "Windows Firewall" • • • • • • • • • • • • • • • • • • | 43. |
| - | Step 2: Close the Firewall | 44. |
| C. Make | Program exception for Firewall $\cdots \cdots $ | 45. |
| - | Step 1: Choose "Exception" | 45. |
| - | Step 2: Add on New Program • • • • • • • • • • • • • • • • • • • | 46. |
| - | Step 3: Allow "Accept Any Computer" | 47. |
| - | Step 3: Finished | 48. |
| | | |

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Warranty

All products manufactured by Infosystem are warranted against defective materials for a period of one year from the date of delivery to the original purchaser.

Trademark

The names used for identification only maybe registered trademark of their respective companies.

EIO-A-200

(Preliminary Version)

Product Information

A. Introduction

EIO is an I/O controller product with Ethernet Port on its data communication and makes data acquisition easier through ModBus/TCP Protocol on Ethernet network. For different conditions, EIO basically has been designed into four models. EIO-R is Relay I/O Controller. EIO-A is Analog I/O Controller. EIO-D is Digital I/O Controller. And EIO-T is Thermocouple I/O Controller. By using these products, the controlling and monitoring of distributed control system can easily be accomplished.

EIO-A-200 uses 8051's family microprocessor for implementing Ethernet functions. It uses the state machine to handle TCP/IP stack with most but limited functions because of the limited resources. EIO-A-200 supports ARP, ICMP, TCP, UDP, IP, DHCP-Client and even HTTP protocols. You can use any browsers to set the parameters, or just use the commands in console mode. With no doubt, EIO-A-200 will bring you the best integration in your applications.

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Product Information

B. Features

- Easy Configuration Setting
 - ✓ Use Setup Tools to Configure the Settings
 - ✓ Use HTTP, IE/Netscape Browser for Setting
- Good Security Concerned
 - ✓ Setup Login in Password Protect
 - ✓ Access Password Protect
- High Reliability
 - ✓ Stable and Robust
 - ✓ Working 24Hours per day
- Support Necessary Network Protocols
 - ✓ ARP, ICMP, TCP, UDP, IP, DHCP Client, HTTP
- Support ModBus Protocol
 - ✓ ModBus/TCP, ModBus/RTU, ModBus/ASCII
 - ✓ Easy integration with HMI/SCADA or OPC Server
- Multi-Channel and High Resolution
 - \checkmark 8 single-ended input channel with 16-bit resolution
- Support Four Operation Module
 - ✓ Voltage Inputs: 0~10V
 - ✓ Voltage Inputs: 1-5V
 - ✓ Current Inputs: 0~20mA
 - ✓ Current Inputs: 4~20mA
- Built-in high/low limitation detection capabilities
 - ✓ Users Engineering Limitations could be manually adjusted.

EIO-A-200

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Product Information C. Applications

- Data collection and Security Terminals
- Access Control Terminals
- Security Devices
- Time Recorders
- Warehouse Terminals
- Shop floor automation Terminals
- Remote Sensors and Meters
- Power monitors
- Power meters
- Environmental monitors
- Temperature monitors
- Data loggers
- Auto-ID Scanners
- Barcode Scanners
- Magnetic Card Readers
- Basic Input/Output Operation

Ethernet Analog I/O Controller

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Exterior

A. Overview



6.

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Exterior

B. Front Panel



- a. Connector 1 (CONN1)
- b. 10 BASE-T Ethernet
- c. Discrete Output LED Indication
- d. LED Indicator
- e. Connector 2 (CONN2)
- C. Dimension



(Preliminary Version)

Specifications

A. Basic Specifications

– Part 1 –

| Entry | Description |
|-------------------------|---|
| Network Interface | 10BaseT, RJ-45 |
| Protocol | ARP, ICMP, TCP, UDP, IP, DHCP Client, HTTP, |
| FTOLOCOT | Modbus/TCP |
| Number of channels | 8 (differential input) |
| Input ranges | 0-10V, 1-5V (input impedance $10M\Omega$) |
| inputranges | 0-20mA, 4~20mA (input impedance 250Ω) |
| Resolution | 16 bit |
| Inaccuracy | $\pm 0.2\%$ max at 25°C |
| Zero drift | +/-0.06 μV/°C |
| Span drift | +/-30 PPM/°C |
| Conversion speed | 800 ms/8 channel |
| Channel isolation | Non-isolated (one common) |
| Power consumption | 0.2A |
| Range selection | Dip switches |
| Number of output points | 2 points |
| Insulation method | Photo coupler |
| Rated load voltage | 24VDC |
| Туре | NPN/Sink |

Specifications

A. Basic Specifications



| Entry | | | Description |
|---------------------------------------|----------|----------------------|-------------------------------|
| Max. load current | | | 0.5A/pt |
| Leakage current at | OFF | ⁻ circuit | 0.1mA or less |
| Max. voltage drop a | at Ol | V circuit | 1.5V or less |
| Pooponoo timo | OFF → ON | | 8 msec or less |
| Response lime | ON | → OFF | 8 msec or less |
| Common terminal a | arran | gement | 2 points/common |
| External power supply Voltage Current | | Voltage | 24VDC (21.6VDC~26.4VDC) |
| | | Current | 100mA |
| International current consumption | | nsumption | 50 mA (type, all points on) |
| Operating temperature | | | 0~60 °C |
| Storage temperature | | | -20 ~ 80°C |
| Relative humidity | | | 15 ~ 95 % RH (non-condensing) |
| Environment air | | | No corrosive gases permitted |
| External power supply | | Voltage | 24Vdc (7Vdc \sim 36Vdc) |
| | | Current | 80mA |
| International current consumption | | nsumption | 50 mA (type, all points on) |

Specifications

B. LED Indicator and Switch Description





(Preliminary Version)

Specifications

B. LED Indicator and Switch Description

– Description –

LED Indicator:

| LED | Description |
|---------|---|
| SYS | The SYS LED blinks at a rate of 1.5Hz and indicating normal work. |
| RX | Received data. |
| ТХ | Transmitted data. |
| LINK | If ON, the Ethernet connection is activated. |
| D01~D02 | The DC outputs1~2. |

Switch Description: Defining Operation Range

Users may set the positions of the dip switches which are located on the bottom side of the module to choose one of the operation ranges provided by the EIO-A-200 module.

| SW1 | SW2 | EIO-A-200 OPERATION RANGE |
|-----|-----|---------------------------|
| ON | OFF | Voltage inputs: 0~10V |
| ON | ON | Voltage inputs: 1~5V |
| OFF | OFF | Current inputs: 0~20mA |
| OFF | ON | Current inputs: 4~20mA |

Specifications

C. Wiring

Users may refer to the following diagram to connect the external wiring for the EIO-A-200 module. (Wires for analog input signals are recommended to have the shielding protection)

- Analog Input Channels-



(Preliminary Version)

Specifications

C. Wiring

– DC 0.5A Digital Output x 2 (DO1, DO2) –



Specifications

D. ModBus Holding Register Definition

The EIO-A-200 module provides 11 registers (words) for users to access the status of the module and read the data from the input channels or write the data to the output register. These 11 registers are called scan data registers. The definitions of the 11 registers are described as follows:

| EIO-A-200 Scan Data Address (ModBus Holding Register Address) | Description |
|---|-----------------------------|
| 40001 | Digital Output Register |
| 40003 | Line Broken Detection Flags |
| 40004 | Status Register |
| 40005 | Channel 1 Input Register |
| 40006 | Channel 2 Input Register |
| 40007 | Channel 3 Input Register |
| 40008 | Channel 4 Input Register |
| 40009 | Channel 5 Input Register |
| 40010 | Channel 6 Input Register |
| 40011 | Channel 7 Input Register |
| 40012 | Channel 8 Input Register |

Specifications

D. ModBus Holding Register Definition

Digital output register: (40001)

Bit 1: DO1 output status

Bit 2: DO2 output status

Bit 3 to Bit 16 are reserved.

Line broken detection flags: (40003)

Bit1 ~ Bit8 are corresponding to the channel 1 ~ channel 8

Bit status = 1 (line broken)

= 0 (normal)

Status (flag) register: (40004)

Bit 1: low limitation flag of channel 1 Bit 2: high limitation flag of channel 1 Bit 3: low limitation flag of channel 2 Bit 4: high limitation flag of channel 2 Bit 5: low limitation flag of channel 3 Bit 6: high limitation flag of channel 3. Bit 7: low limitation flag of channel 4 Bit 8: high limitation flag of channel 4 Bit 9: low limitation flag of channel 5 Bit 10: high limitation flag of channel 5 Bit 11: low limitation flag of channel 6 Bit 12: high limitation flag of channel 6 Bit 13: low limitation flag of channel 7 Bit 14: high limitation flag of channel 7 Bit 15: low limitation flag of channel 8 Bit 16: high limitation flag of channel 8

EIO-A-200

Specifications D. ModBus Holding Register Definition

Besides the scan data registers, the EIO-A-200 module also provides other Modbus holding registers for users to fill in the high/low limit value and define the conversion data type. High- and low-limit values will be used by the module for comparing the channel's input signal to detect if the input signal is higher or lower than the limitation value set by the user. If the value of an input channel is higher or lower than the corresponding data stored in these holding registers, the corresponding flag bit of the status register in the scan data registers will be set to '1'.

The conversion data for each channel may be represented by the raw conversion data defined by the module or engineering data defined by users. If users define the conversion data type to be an engineering data, users may set the low engineering value and the high engineering value using the specified holding registers from 40033~40048 for each of the input channel instead of the raw data range defined by the module. The corresponding input signals will be linearly converted to the engineering data corresponding to the defined range of high/low engineering setting value to the corresponding channel input registers in scan data registers.

Users will be requested to use the engineering data to define the high/low limitation values for the corresponding channels if users select the conversion data type with engineering data.

Specifications

D. ModBus Holding Register Definition

| Holding Register | Description |
|------------------|----------------------------------|
| 40013 | Flags for control A/D conversion |
| 40014 | High/low limit control flags |
| 40015 | Low limitation value of CH1 |
| 40016 | High limitation value of CH1 |
| 40017 | Low limitation value of CH2 |
| 40018 | High limitation value of CH2 |
| 40019 | Low limitation value of CH3 |
| 40020 | High limitation value of CH3 |
| 40021 | Low limitation value of CH4 |
| 40022 | High limitation value of CH4 |
| 40023 | Low limitation value of CH5 |
| 40024 | High limitation value of CH5 |
| 40025 | Low limitation value of CH6 |
| 40026 | High limitation value of CH6 |
| 40027 | Low limitation value of CH7 |
| 40028 | High limitation value of CH7 |
| 40029 | Low limitation value of CH8 |
| 40030 | High limitation value of CH8 |
| 40031 | Reserved |

Specifications

D. ModBus Holding Register Definition

| Holding Register | Description |
|------------------|---------------------------------------|
| 40022 | Conversion data type |
| 40032 | (row data or engineering data) |
| 40033 | Low engineering setting value of CH1 |
| 40034 | High engineering setting value of CH1 |
| 40035 | Low engineering setting value of CH2 |
| 40036 | High engineering setting value of CH2 |
| 40037 | Low engineering setting value of CH3 |
| 40038 | High engineering setting value of CH3 |
| 40039 | Low engineering setting value of CH4 |
| 40040 | High engineering setting value of CH4 |
| 40041 | Low engineering setting value of CH5 |
| 40042 | High engineering setting value of CH5 |
| 40043 | Low engineering setting value of CH6 |
| 40044 | High engineering setting value of CH6 |
| 40045 | Low engineering setting value of CH7 |
| 40046 | High engineering setting value of CH7 |
| 40047 | Low engineering setting value of CH8 |
| 40048 | High engineering setting value of CH8 |

Specifications

D. ModBus Holding Register Definition

Conversion control/speed flags: (40013)

- 1. Bit 1 to Bit 8 are reserved.
- 2. Bit 9 to Bit 16 are A/D conversion control flags.
 - '0': enable A/D conversion (default)



'1': disable A/D conversion

Specifications D. ModBus Holding Register Definition

High/low limit control flags: (40014)

Bit 1: low limitation control bit for CH1 Bit 2: high limitation control bit for CH1 Bit 3: low limitation control bit for CH2 Bit 4: high limitation control bit for CH2 Bit 5: low limitation control bit for CH3 Bit 6: high limitation control bit for CH3 Bit 7: low limitation control bit for CH4 Bit 8: high limitation control bit for CH4 Bit 9: low limitation control bit for CH5 Bit 10: high limitation control bit for CH5 Bit 11: low limitation control bit for CH6 Bit 12: high limitation control bit for CH6 Bit 13: low limitation control bit for CH7 Bit 14: high limitation control bit for CH7 Bit 15: low limitation control bit for CH8 Bit 16: high limitation control bit for CH8

EIO-A-200

Specifications Bue Holding Projector Definition

D. ModBus Holding Register Definition

Remarks:

- 1. If some bits of the high/low limit control flags are set to '1', the input Signals of corresponding channels will be compared with the corresponding limitation values which were stored in the specified holding registers. If the corresponding channel's input value is higher or lower than the corresponding limitation value stored in the specified holding register, the corresponding flag bit of **the status register** (**40004**) will be set to '1'.
- 2. Users do not need to set the control bit or initiate the data to the specified holding registers if high/low limit detection is not required in the application.

Conversion data type: (40032)

Bit 1: CH1's conversion data type Bit 2: CH2's conversion data type Bit 3: CH3's conversion data type Bit 4: CH4's conversion data type Bit 5: CH5's conversion data type Bit 6: CH6's conversion data type Bit 7: CH7's conversion data type Bit 8: CH8's conversion data type

EIO-A-200

Specifications

D. ModBus Holding Register Definition

Remark:

- 1. The default status of the above bits is '0'. In other words, the default conversion data type for each channel is raw data.
- 2. If some bits of the data conversion bits are set to '1', the input signals of corresponding channels will be converted to the corresponding engineering data and stored to the channel input registers in scan data registers.

High/low engineering setting values: (40033~40048)

- 1. Users may fill in the low engineering values and high engineering values to the corresponding holding registers from 40033 to 40048 for each of the channel instead of the raw data range defined by the module. Users may check the raw data conversion table in the following chapter.
- 2. If users set the module's conversion data type to be an engineering data, the module will use to the range of the high/low engineering setting values defined by the users and linearly convert the input signal to the corresponding engineering data to the corresponding channel input register in the scan data register.

Software Installation

A. Installation

Step 1: Insert the CD and click the button

The Software Installation CD that came with EIO-A-200 will automatically be run after inserting it into the CD-ROM drive. Click the "Ethernet converter Setup Utilities" button will bring the installation page out,



Figure 1. Software Install CD Auto-Run Screen Shot

Software Installation A. Installation

Step 2: Click the Link of the Page

Click the Link of the Page to run the Ethernet Converter Setup Tools Installation Software.

| 🚰 關於巨擎科技服份有限公司 - Microsoft Internet Explorer | -미지 |
|---|-----|
| 檔案(E) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 説明(H) | - |
| 🕞 上一頁 🗸 💽 🖌 🔎 搜尋 🌟 我的最爱 🌮 😓 🖸 🖌 📙 🦓 | |
| 網址 🛛 🎻 E: \Infosystem \CD \Infosystem \Ethernet Converter Setup Tools \Setup.html | • |
| Z # RA | A |
| | |
| 產品參考資訊: <u>Product Selection Guide</u> | |
| 乙太序列串接設定程式: | |
| Ethernet Converter Setup Tools | |
| ▲ 完成 | |
| | |

Figure2. Ethernet Converter Setup Tools Page

(Preliminary Version)

Software Installation

A. Installation

Step 3: Press Next to Continue



Figure3. Installation Welcome Message

Software Installation A. Installation

Step 4: Decide the Application Directory

| Setup - Ethernet Converter Setup Tool | |
|--|-------|
| Select Destination Location Where should Ethemet Converter Setup Tool be installed? | |
| Setup will install Ethemet Converter Setup Tool into the following folder. | |
| To continue, click Next. If you would like to select a different folder, click Browse. | |
| C:\Program Files\Ethernet Converter Setup Browse | |
| | |
| | |
| | |
| | |
| At least 1.1 MB of free disk space is required. | |
| < <u>B</u> ack <u>N</u> ext > C | ancel |

Figure4. Decide the Application Directory

Software Installation A. Installation

Step 5: Create the Directory if not existent

| 📑 Setup - Ethe | ernet Converter Setup Tool | _ <u> </u> |
|------------------------|--|------------|
| Select Des Where sh | stination Location mould Ethemet Converter Setup Tool be installed? | |
|) | Setup will install Ethemet Converter Setup Tool into the following folder. | |
| To cc Fol | lder Exists 🛛 🔀 | |
| C:\P | The folder: C:\Program Files\Ethernet Converter Setup already exists. Would you like to install to that folder anyway? | |
| At least 1. | .1 MB of free disk space is required. | |
| | < <u>B</u> ack <u>N</u> ext > Car | ncel |

Figure 5. Create Application Directory

(Preliminary Version)

Software Installation A. Installation

Step 6: Create Program's Shortcut

| Setup - Ethernet Converter Setup Tool | |
|--|--------|
| Select Destination Location Where should Ethemet Converter Setup Tool be installed? | |
| Setup will install Ethemet Converter Setup Tool into the following folder. | |
| To continue, click Next. If you would like to select a different folder, click Browse. | |
| C:\Program Files\Ethernet Converter Setup Browse. | |
| | |
| At least 1.1 MB of free disk space is required | |
| ALIEGSLIT, TIMO OFTIEE DISK SPACE IS TEQUIED. | |
| < <u>B</u> ack <u>N</u> ext > (| Cancel |

Figure6. Shortcut Creation

Software Installation

A. Installation

Step 7: Decide if Desktop icon needed

| Setup - Ethernet Converter Setup Tool | |
|--|--------|
| Select Additional Tasks Which additional tasks should be performed? | |
| Select the additional tasks you would like Setup to perform while installing Ethemet Converter Setup Tool, then click Next. | |
| Additional icons: | |
| Create a desktop icon | |
| Create a <u>Q</u> uick Launch icon | |
| | |
| | |
| | |
| | |
| | |
| | |
| < <u>B</u> ack <u>N</u> ext > | Cancel |

Figure7. Desktop Icon Creation

(Preliminary Version)

Software Installation

A. Installation

Step 8: Press Install to start installation

| 异 Setup - Ethernet Converter Setup Tool | |
|--|----------|
| Ready to Install Setup is now ready to begin installing Ethemet Converter Setup Tool on your computer. | |
| Click Install to continue with the installation, or click Back if you want to review o change any settings. | r |
| Destination location: C:\Program Files\Ethernet Converter Setup | <u> </u> |
| Start Menu folder: Ethemet Converter Setup | |
| Additional tasks: Additional icons: Create a desktop icon Create a Quick Launch icon | |
| 1 | ₹ ₹ |
| < <u>B</u> ack | Cancel |

Figure8. Review the Installation Settings

(Preliminary Version)

Software Installation A. Installation

Step 9: Process Installations

| Setup - Ethernet Converter Setup Tool | _ 🗆 🗙 |
|---|--------|
| Installing Please wait while Setup installs Ethemet Converter Setup Tool on your computer. | |
| Creating INI entries | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | Cancel |

Figure9. Installing

(Preliminary Version)

Software Installation

A. Installation

Step 10: Finish Installation

| 🛃 Setup - Ethernet Converter Setup Tool 📃 🖂 🔀 | | | | |
|---|--|--|--|--|
| | Completing the Ethernet Converter Setup Tool Setup Wizard | | | |
| | Setup has finished installing Ethemet Converter Setup Tool on your computer. The application may be launched by selecting the installed icons. | | | |
| | Click Finish to exit Setup. | | | |
| | Launch Ethemet Converter Setup | | | |
| | | | | |
| | Einish | | | |

Figure 10. Installation Finished

Software Installation B. Uninstall

Step 1: Execute Uninstall Program

Uninstall Program is located at the application directory named "Uninstall Ethernet Converter Setup". Execution of it could let the Ethernet Converter Setup Tools clearly be removed.



Figure11. Decide the Application Directory

Software Installation B. Uninstall

Step 2: Click "Yes" to process



Figure12. Process Uninstall

Step 3: Finished



Figure12. Process Uninstall

34.

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EIO-A-200

(Preliminary Version)

Configuration

A.By Browser

Step 1: Ready to login.

| 🚰 Setup - Microsoft Internet Explorer | | | | |
|---------------------------------------|-------------------|--|--|--|
| 檔案(E) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H) | 22 | | | |
| 🕞 上一頁 🔹 📀 🔹 😰 🚮 🔎 搜尋 🥎 我的最 | # 🔗 🔗 😓 🖸 + 📙 🖓 | | | |
| 網址(D) 🕘 http://192.168.1.250/ | | | | |
| | | | | |
| | | | | |
| Converter | Status | | | |
| System time elapsed | 3213 Sec | | | |
| Firmware Version | VER 0.6s1 | | | |
| MAC address | 4c:49:52:03:02:cf | | | |
| VIAC address 44:43:52:03:02:01 | | | | |
| A 完成 | | | | |
| ② 完成 | ■ #際網路 | | | |

EIO-A-200

(Preliminary Version)

Configuration

A. By Browser

Step 2: Configure your parameters.

| Setup - Microsoft Internet Explorer | | | | |
|--|------------------|--|--|--|
| 檔案(E) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H) | 27 | | | |
| 🚱 上一頁 🔹 🕥 🖌 🗾 🛃 🏠 🔎 搜尋 🥎 我的 | ₩ 🚱 🔗 💺 🖸 - 📙 🖄 | | | |
| 網址(D) 🗃 http://192.168.1.250/Setup.htm | | | | |
| EIO Setup | | | | |
| Local IP | 192.168.1.250 | | | |
| Subnet mask | 255.255.255.0 | | | |
| Gateway IP | 192.168.1.254 | | | |
| DHCP client | Disable 💌 | | | |
| SIO Port, Type | 502 TCP Server 💌 | | | |
| Device ID | | | | |
| Setup password | | | | |
| Access password | | | | |
| Note: SIO Port 502 is Reserved for the MODBUS/TCP. | | | | |
| | | | | |



EIO-A-200

(Preliminary Version)

Configuration

A. By Browser

Step 3: Finish and reboot.



EIO-A-200

(Preliminary Version)

Configuration

B. By Setup Tools

Step 1: Searching the devices. Step 2: Double click the selected item.

| 具 Ethernet Converter | Setup | |
|----------------------|-------------|-----------|
| Option <u>H</u> elp | | |
| Search Device | | |
| MAC Address | IP Address | Device ID |
| 4C-49-52-02-00-19 | 192.168.1.1 | |
| | | |

Infosystem[®]

EIO-A-200

(Preliminary Version)

Configuration

B. By Setup Tools

Step 3:

Configure and update your parameters.

| Ethernet IO Setup (MAC: 4C-49-52-03-02-CF) (VER 0.6s1) | | | |
|---|------------------|--|--|
| IP address | 192.168.1.250 | | |
| Subnet mask | 255.255.255.0 | | |
| Gateway IP address | 192.168.1.254 | | |
| DHCP client | Disable 🔻 | | |
| Socket port of serial I/O, Type | 502 TCP Server 👻 | | |
| Device ID | | | |
| Setup password | | | |
| Access password | | | |
| | | | |
| Update | Cancel | | |

Configuration

C. By Direct Broadcast Commands

It needs broadcasting to handle all the configurations and it allows users to code their own application software.

- Command List A – User Level –

| Command | Description | Notes | | | |
|-------------------|--------------|---|--|--|--|
| | Purpose | For Broadcast search | | | |
| Syntax | | X <magic code=""></magic> | | | |
| Magic co | Magic code | 99.130 | 99.130.83.99 | | |
| | Return | AX <m< td=""><td colspan="3">AX <mac>/<ip>/<device id=""></device></ip></mac></td></m<> | AX <mac>/<ip>/<device id=""></device></ip></mac> | | |
| | Evemple | Send | X 99.130.83.99 | | |
| | Example | Back | AX 0.128.200.255.251.242/192.168.1.1/1 | | |
| | Purpose | Get all | the parameters of the WM-110 | | |
| G or g Example | Syntax | G <mac>/<ip>/<setup password=""></setup></ip></mac> | | | |
| | Return | All the parameters of the WM-110 | | | |
| | Example Back | Send | G 0.128.200.255.251.242/192.168.1.1/123 | | |
| | | Pook | CG for cancel | | |
| | | Dack | AG <all messages=""></all> | | |

Configuration

C. By Direct Broadcast Commands

User Level: For General Users Admin Level: For Factory Default Setting

– Command List B – User Level –

| Command | Description | Notes | | |
|----------|---|---|---|--|
| | Purpose | | Set the parameters of WM-110 | |
| S Syntax | Syntax | S <mac< th=""><th colspan="2">S <mac>/<ip>/<password>/<parameter>/<value></value></parameter></password></ip></mac></th></mac<> | S <mac>/<ip>/<password>/<parameter>/<value></value></parameter></password></ip></mac> | |
| | Doturn | A for accept | | |
| | Return | C for cancel | | |
| | Evampla | Send | S 0.128.200.255.251.242/192.168.1.1/123/IP/192.168.1.2 | |
| | схатре | Back | A or C | |
| | Purpose | Reboot | WM-110 | |
| Syntax | R <mac>/<ip>/<setup password=""></setup></ip></mac> | | | |
| R | Doturn | AR for accept | | |
| IX. | Return | CR for a | cancel | |
| | Example | Send | R 0.128.200.255.251.242/192.168.1.1/123 | |
| | | Back | AR or CR | |

EIO-A-200

(Preliminary Version)

Configuration

C. By Direct Broadcast Commands

User Level: For General Users Admin Level: For Factory Default Setting

– Command List C – Admin Level –

| Command | Description | Notes | | |
|-------------------|-------------|---|---|--|
| Purpose Syntax | | Set MA | C address of WM-110 then reboot automatically | |
| | | M <old mac="">/<new mac="">/<factory password=""></factory></new></old> | | |
| NA | M Determ | AM for accept | | |
| IVI | Return | CM for cancel | | |
| | Evampla | Send | S 0.128.200.255.251.242/0.128.200.255.251.243/123 | |
| | Example | Back | 'A' or 'C' | |
| | Purpose | Set IP fo | or Factory settings | |
| Syntax | | I <mac>/<new ip="">/<factory password=""></factory></new></mac> | | |
| | l Return | Al for ad | ccept | |
| - | | CI for ca | ancel | |
| | Example | Send | I 0.128.200.255.251.242/192.168.1.1/123′ | |
| | | Back | AR or CR | |

(Preliminary Version)

Application Notes

A. Description:

Firewall will make the program off normal, so one might choose the following solutions to Firewall program, "Disable" or "Exception".

B. Disable Firewall of Windows XP SP2.

Step 1: Execute "Windows Firewall" Execute "Windows Firewall" in Control Panel.



Application Notes

B. Disable Firewall of Windows XP SP2.

Step 2: Close the Firewall Choose "Close" to close firewall.

| 🌼 Windows 防火牆 | × |
|--|---|
| 一般 例外 道階 | |
| 您的電腦未受保護:開啓 Windows防火牆 | |
| Windows防火牆經由阻止未授權使用者透過網際網路或網路取得對您電腦的存取來保護您的電腦。 | |
| ⑦ 開啓 (建議選項)(0) 除了在 [例外] 索引標籤上所選擇的,這個設定封鎖所有外部來 源連線到這個電腦。 | |
| ◎ 不允許例外(①) | |
| 留恐在諸如機場等軟不安全的場所連線到公用網路時諸選擇 這個。Windows防火牆封鎖程式時不會通知您,將會略過[例外] 索引標籤上的選擇。 | |
| ● 開閉 (不建議使用) (正) 避免使用這個設定。關閉 Windows 防火牆可能使這個電腦易受病毒和侵入者的攻擊。 | |
| 還有哪些有關 Windows 防火牆的資訊我應該知道? | |
| 確定 取消 | |

(Preliminary Version)

Application Notes

C. Make Program exception for Firewall

Step 1: Choose "Exception" Choose "Exception" in Firewall Program. And add on new program of Setup Tools.

| Windov 的攻撃 | ₩S防火牆i 和長入風i | 己關閉,カ 檢。我們到 | 您的電腦有 建議您按[| ī受到求 一般]∮ | を自諸如 索引標築 | 網際網路 | 格之類外部來》 擇[開啓]。 | 亰 |
|---------------|-----------------|-----------------|----------------|--------------|--------------|------|-------------------|-----|
| 名稱 | 1版791(上): | | | | | | | |
| | ClntUsr - A | Client Inte | ractive Use | r Servic | e | | | 100 |
| 🗹 Fil | le Transfer | Protocol (F | FTP) Client | | | | | |
| | SN Messen | ger 7.0 | | | | | | |
| | '加'柴禰 | | | | | | | |
| ☑谈 | maows Me 端協助 | zzenger | | | | | | |
| 日流 | 端点面 | | | | | | | |
| 口檔 | 案及印表 | 鼸共用 | | | | | | |
| | | | | | | | | |
| 新增 | 程式(<u>R</u>) | 新增速 | 軽埠(() | | 扃輯(E). | | 刪除(型) | |
| レビ | WindowsB | | 能积式時期 | 示通知 | IND . | | | |
| | | 5 5 CHUB - 1 30 | | | 1 | | | |

(Preliminary Version)

Application Notes

C. Make Program exception for Firewall

Step 2: Add on New Program and Selection Choose "Setup Tools" to make it as an exception.

| Desktop Messenger DivX Player 2.1 DocFile Viewer Dr.eye 2002 譯典通 DynaDoc Reader - 32Bit EKG | |
|--|---|
| DocFile Viewer Dr.eye 2002 譯典通 DynaDoc Reader - 32Bit EKG | |
| Dr.eye 2002 譯典通 DynaDoc Reader - 32Bit EKG | - |
| DynaDoc Reader - 32Bit EKG | |
| EKG | |
| | |
| Error Lookup | _ |
| Ethernet_Setup_Utility | |
| Frama_IrConing | |

(Preliminary Version)

Application Notes

C. Make Program exception for Firewall

Step 3: Allow "Accept Any Computer" Allow "Accept Any Computer" to finish exception.

| 變更領域 | × |
|---|---|
| 若要指定這個連接埠或程式對其不封鎖的電腦組,請按下列的一個選項。 | |
| 若要指定自訂清單,諸鍵入以逗點隔開的 IP 位址、子網路或兩者的清單。 | |
| | |
| ○ 任何電腦 (包括在網際網路上的)(A) | |
| ○ 只有我的網路 (子網路)(M) | |
| ○ 自訂清單(C): | |
| | |
| 例如: 192.168.114.201,192.168.114.201/255.255.255.0 | |
| 確定取消 | |

(Preliminary Version)

Application Notes

C. Make Program exception for Firewall Step 4: Finished Finish Exception.

| Windows 防火牆 | × |
|---|---|
| 一般 例外 進階 | |
| Windows防火牆已關閉,您的電腦有受到來自諸如網際網路之類外部來源 的攻擊和侵入風險。我們建議您按[一般] 索引標籤然後選擇[開啓]。 程式和服務(P): | |
| | |
| ACIntUsr - AClient Interactive User Service | |
| ☑ Ethemet_Setup_Utility | |
| ✓ MSN Messenger 7.0 ✓ UPnP 架構 ✓ Windows Messenger ✓ 遠端点面 □ 檔案及印表選共用 | |
| , 新增程式(R) 新增連接埠(Q) 編輯(E) 刪除(D) | |
| ☑ 當 Windows 防火牆封鎖程式時顯示通知(N) <u>九許例外狀況有哪些風險?</u> | |
| 確定 取消 | |



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Service E-mail: services@infosystem.com.tw Web page URL:http://www.infosystem.com.tw