

漢 軍 科 技

HUNDURE

EPC420io Setting Tool

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1. Enter the setting tool

After the Setting Tool screen is opened, enter the relevant information and click the “Open” to connect. After the connection is successful, the system will automatically read the relevant parameters and display them on each function page below (except Fire Alarm Link Event); after connecting, you can also click the “Close” to disconnect.

The screenshot displays the 'EPC420 Setting Tool' window. At the top, there are input fields for 'DeviceIP' (172.16.35.99), 'DevicePort' (4660), and 'PWD' (*****), followed by 'Open' and 'Close' buttons. Below this is a tabbed interface with the following tabs: 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting', 'Converter Setting', and 'Fire Alarm Link Event'. The 'Basic' tab is active, showing several sections: 'Get Device Info' with a 'Set Login Pwd' button; a section with 'Initial Device' (highlighted in red), 'Record' (checked), 'Parameter' (unchecked), and 'In Device Idle Restart Time(min.)' (0); a 'Time' section with 'Get Device Time' and 'Set Device Time' buttons, and a date/time field (2023-11-01 09:52:11); and an 'NTP Set' section with 'Time Zone' (GMT+08:00) and 'Domain / IP' (time.windows.com). On the right, a 'Network' section shows 'LAN1 Port' (4660), 'Use DHCP' (unchecked), and fields for 'DeviceIP' (172.16.35.99), 'SubMask' (255.255.0.0), 'Gateway' (0.0.0.0), and 'DNS' (168.95.1.1). Each of these sections has a 'Sync To Device' button.

DeviceIP: device IP address.

Note: If user don't know the IP address, it is recommended to use “HTA830Tool” to search.

DevicePort: device communication port.

PWD: device connection password.

2. Basic

Basic function page: Set device-related parameters; the purple/red button is for setting up the device, and there are messages for related button operations.

【Get Device Info】: Get the device information.

【Initial Device】: Device initialization, provide record and parameter.

【In Device Idle Restart Time(min.)】: When idle, restart time. (Unit: minutes, 0 means disable this function)

【Set Login Pwd】: Set the password.

Time :

【Get Device Time】: Get the current time of the device.

【Set Device Time】: Set the current time of the device.

NTP Set

Time Zone : Current time zone.

Domain/IP : Time server URL/network location.

【Sync To Device】: Synchronize to device.

Network :

LAN1 Port : Device communication port.

Use DHCP : Use DHCP to automatically obtain device IP.

DeviceIP : Device IP.

SubMask : Device subnet mask.

Gateway : Device gateway.

DNS : Device DNS.

【Sync To Device】: Synchronize to device.

Fire Alarm Link(LAN) function page: This function is the IP address that needs to be linked to the message after receiving the message from the corresponding sensor point. It supports 32 groups of IP addresses and the IP addresses cannot be repeated; the purple button is for setting up the device, and there are messages for related button operations.

Sensor : The message corresponds to the sensor point.

IP Address : The IP address linked after sending the message.

【Add Data】: Add setting data to the rule list on the right.

【Delete Select Data】: Delete the selected data from the rules list.

【Sync To Device】: Synchronize rule list to device.

4. Fire Alarm Link(RS485_1) Function

Fire Alarm Link(RS485_1) Function Page: This function is the first device under RS485 that needs to be linked to the message after receiving the message from the corresponding Sensor point; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the 'EPC420 Setting Tool' window. At the top, there are fields for 'DeviceIP' (172.16.35.99), 'DevicePort' (4660), and 'PWD' (*****), along with 'Open' and 'Close' buttons. Below this is a tabbed interface with tabs for 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting', 'Converter Setting', and 'Fire Alarm Link Event'. The 'Fire Alarm Link(RS485_1)' tab is active. On the left side of this tab, there is a 'Sensor' dropdown menu set to '1', a 'Set Data' button, and a purple 'Sync To Device' button. On the right side, there is a table with two columns: 'ID' and 'Sensor'. The table contains 16 rows, each with an ID from 1 to 16 and a 'Sensor' value of 1.

ID	Sensor
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1

Sensor : The message corresponds to the Sensor point.

【Set Data】: Set data to the rule list on the right.

【Sync To Device】: Synchronize rule list to device.

5. Fire Alarm Link(RS485_2) Function

Fire Alarm Link(RS485_2) Function Page: This function is the second device under RS485 that needs to be linked to the message after receiving the message from the corresponding Sensor point; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the 'EPC420 Setting Tool' window. At the top, there are fields for 'DeviceIP' (172.16.35.99), 'DevicePort' (4660), and 'PWD' (*****), along with 'Open' and 'Close' buttons. Below this is a tabbed interface with tabs for 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting', 'Converter Setting', and 'Fire Alarm Link Event'. The 'Fire Alarm Link(RS485_2)' tab is selected. On the left side of this tab, there is a 'Sensor' dropdown menu set to '1', a 'Set Data' button, and a purple 'Sync To Device' button. On the right side, there is a table with two columns: 'ID' and 'Sensor'. The table contains 16 rows, with 'ID' values from 1 to 16 and 'Sensor' values all set to '2'.

ID	Sensor
1	2
2	2
3	2
4	2
5	2
6	2
7	2
8	2
9	2
10	2
11	2
12	2
13	2
14	2
15	2
16	2

Sensor : The message corresponds to the Sensor point.

【Set Data】: Set data to the rule list on the right.

【Sync To Device】: Synchronize rule list to device.

6. Sensor Fire Alarm Setting Function

Sensor Fire Alarm Setting Function Page : This function is a follow-up operation that needs to be performed when the 8 Fire Sensor points on the EPC420 send a message; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the 'EPC420 Setting Tool' window. At the top, there are input fields for 'DeviceIP' (172.16.35.99), 'DevicePort' (4660), and 'PWD' (*****), along with 'Open' and 'Close' buttons. Below this is a tabbed interface with tabs for 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting' (which is selected), 'Converter Setting', and 'Fire Alarm Link Event'. The 'Sensor Fire Alarm Setting' tab contains a list of 8 sensors. Each sensor has a dropdown menu for its link type and a checkbox for 'Alarm Sound'. The settings are as follows:

Sensor	Fire Alarm Link	Alarm Sound
Sensor1	RS485_1	<input checked="" type="checkbox"/>
Sensor2	RS485_2	<input checked="" type="checkbox"/>
Sensor3	LAN	<input checked="" type="checkbox"/>
Sensor4	LAN	<input checked="" type="checkbox"/>
Sensor5	LAN	<input checked="" type="checkbox"/>
Sensor6	LAN	<input checked="" type="checkbox"/>
Sensor7	LAN	<input checked="" type="checkbox"/>
Sensor8	LAN	<input checked="" type="checkbox"/>

At the bottom of the tab, there is a purple button labeled 'Sync To Device'.

Sensor(1~8) Fire Alarm Link : Follow-up operations after Sensor point triggering sensor.

Alarm Sound : Whether to turn on the alarm sound.

【Sync To Device】 : Synchronize set data to device.

7. Converter Setting Function

Converter Setting: This function is that the two RS485s of the EPC420 can also be used as communication converters and can be set through this page; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the 'EPC420 Setting Tool' window. At the top, there are input fields for 'DeviceIP' (172.16.35.97), 'DevicePort' (4660), and 'PWD' (*****), along with 'Open' and 'Close' buttons. Below this is a tabbed interface with tabs for 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting', 'Converter Setting' (which is active), and 'Fire Alarm Link Event'. The 'Converter Setting' tab contains two main sections: 'Lan2 -> RS485_1' and 'Lan3 -> RS485_2'. Each section has a list of settings: 'Lan2 Mode' (TCP Server), 'Lan2 Rev Port' (4661), 'Lan2 Link IP' (empty), 'Lan2 Link Port' (1), 'TimeOut(ms)' (20), 'Baudrate' (19200), 'Parity' (None), 'Data bits' (empty), and 'Stop bits' (1 bit). A purple 'Sync To Device' button is located at the bottom of each section.

Lan2->RS-485_1

Lan2 Mode : Provide 4 modes to connect · TCP server(Default) · TCP client · UDP server · UDP client. User can select any one of them to operate.

Lan2 Rev Port : Port Number. Default 4661(Lan2)/4662(Lan3)

Lan2 Link IP : Lan2 Link IP address.

Lan2 Link Port : Lan2 Link Port number, Default: 1

TimeOut (ms) : Set device timeout · Default: 20

Baudrate : 2400 · 4800 · 9600 · 19200(Default) · 38400 · 57600 · 115200

Parity : Check bit · None(Default) · Even · Odd.

Data bits : 8(Default) · 9.If the parity bit is even or odd · the data bit will become 7 · 8.

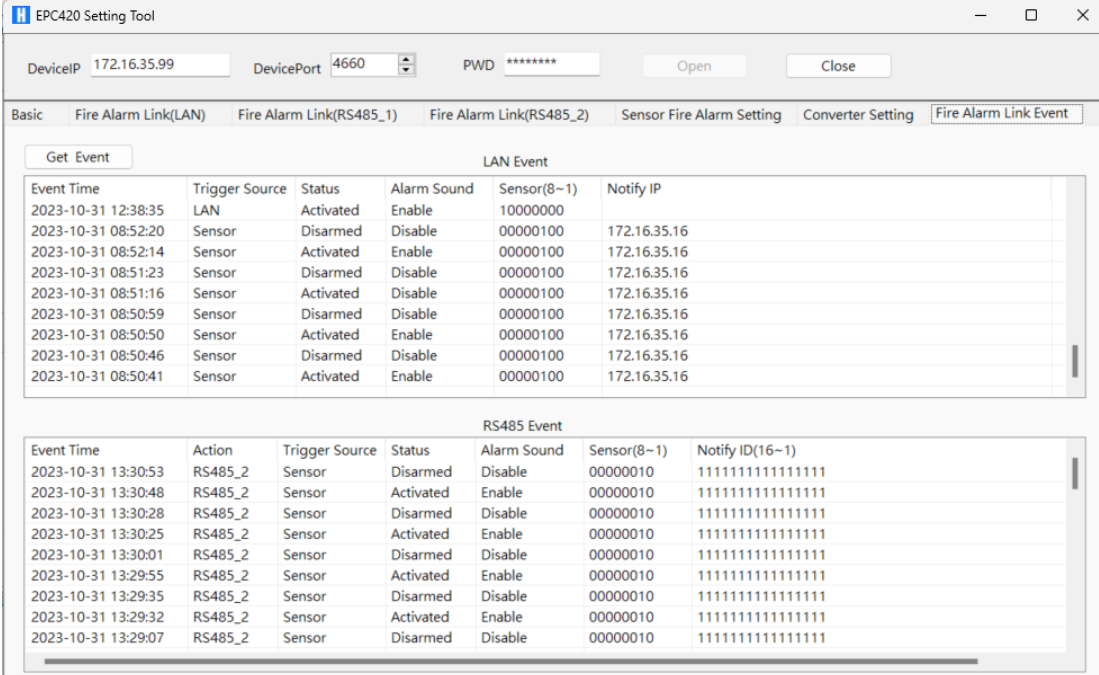
Stop bits : Stop bit · 1.5 · 1(Default) · 2

Lan3->RS-485_2 settings are the same as above.

【Sync To Device】 : Synchronize set data to device.

8. Fire Alarm Link Event Function

Fire Alarm Link Event Function Page: This function can view the linkage events reported by the device, and capture the latest 50 LAN and RS485 event linkage data through the “GetEvent” button.



The screenshot shows the EPC420 Setting Tool interface. At the top, there are fields for DeviceIP (172.16.35.99), DevicePort (4660), and PWD (*****), along with Open and Close buttons. Below these are tabs for Basic, Fire Alarm Link(LAN), Fire Alarm Link(RS485_1), Fire Alarm Link(RS485_2), Sensor Fire Alarm Setting, Converter Setting, and Fire Alarm Link Event. The Fire Alarm Link Event tab is selected, and a Get Event button is visible. The main area displays two tables: LAN Event and RS485 Event.

Event Time	Trigger Source	Status	Alarm Sound	Sensor(8~1)	Notify IP
2023-10-31 12:38:35	LAN	Activated	Enable	10000000	
2023-10-31 08:52:20	Sensor	Disarmed	Disable	00000100	172.16.35.16
2023-10-31 08:52:14	Sensor	Activated	Enable	00000100	172.16.35.16
2023-10-31 08:51:23	Sensor	Disarmed	Disable	00000100	172.16.35.16
2023-10-31 08:51:16	Sensor	Activated	Disable	00000100	172.16.35.16
2023-10-31 08:50:59	Sensor	Disarmed	Disable	00000100	172.16.35.16
2023-10-31 08:50:50	Sensor	Activated	Enable	00000100	172.16.35.16
2023-10-31 08:50:46	Sensor	Disarmed	Disable	00000100	172.16.35.16
2023-10-31 08:50:41	Sensor	Activated	Enable	00000100	172.16.35.16

Event Time	Action	Trigger Source	Status	Alarm Sound	Sensor(8~1)	Notify ID(16~1)
2023-10-31 13:30:53	RS485_2	Sensor	Disarmed	Disable	00000010	1111111111111111
2023-10-31 13:30:48	RS485_2	Sensor	Activated	Enable	00000010	1111111111111111
2023-10-31 13:30:28	RS485_2	Sensor	Disarmed	Disable	00000010	1111111111111111
2023-10-31 13:30:25	RS485_2	Sensor	Activated	Enable	00000010	1111111111111111
2023-10-31 13:30:01	RS485_2	Sensor	Disarmed	Disable	00000010	1111111111111111
2023-10-31 13:29:55	RS485_2	Sensor	Activated	Enable	00000010	1111111111111111
2023-10-31 13:29:35	RS485_2	Sensor	Disarmed	Disable	00000010	1111111111111111
2023-10-31 13:29:32	RS485_2	Sensor	Activated	Enable	00000010	1111111111111111
2023-10-31 13:29:07	RS485_2	Sensor	Disarmed	Disable	00000010	1111111111111111