使用 SinecPni 软件识别和定位 RCM ROXII 交换机

RX1400 交换机

SinecPni 软件

通过交换机的 Ethernet Port 接入

该软件目前最新版本为 SINEC PNI Basic V1.0 Update 1。软件名称为 SinecPni.exe,如果需要请在以下地址下载:

https://support.industry.siemens.com/cs/cn/zh/view/109776941/en

软件下载后,是 SinecPni-V1.0.0.1.zip,解压后,打开文件夹,直接点击 SinecPni.exe



图标,运行软件。

End user agreement
To use SINEC PNI, you must accept the OSS licensing terms, the security recommendations and General License Conditions. If you do not accept these conditions, the application will be closed.
✓ OSS license conditions (Show)
Security disclaimer and general license conditions (Show)
Disagree Agree

勾选两个选项后,点击 Agree。可能出现下面菜单:



软件需要 PCap driver。

初次使用 SINEC PNI 时,会进入 Settings 界面,首先需要在 Network adapter 中选择合适的网卡。

SINEC PNI				. 🗆 🗙
SIEMENS			SINE	C PNI
			1	?
Device list	Y Settings Device credentials			
Network adapter:	本地连接			
Scan protocol:	 PROFINET devices RUGGEDCOM ROS devices RUGGEDCOM ROX2 & WIN devices Ping 			
Open in Web browser:	HTTPS V:// <ip address="">: 443</ip>			

1. 设备发现

EXPLORER 支持两种设备发现机制:

▶ 自动发现:通过 RCDP 协议自动发现运行设备,限于高于 ROS v3.7.0 版本及更新版本设备,在此模式下,给予 MAC 地址发现网络内所有 ROS 系列交换机。

▶ 手动发现:通过TCP/IP协议制定 IP地址扫描范围来发现设备。此时,配置笔记本电脑必须和交换机位于同一网段。

自动发现

Settings 选项卡下 Scan protocol 选择 RUGGEDCOM ROX devices;

IN SINEC PNI					
SIEMENS					SINEC PNI
				0	1 ?
E Device list		Y Settings	Device credentials		
Network adapter:	Local Area (Connection	~		
Scan protocol:	 PROFIN RUGGE RUGGE Ping 	IET devices DCOM ROS devices DCOM ROX2 & WIN devi	ces		
Ping timeout and retries:	Timeout: Retries:	300 3	ms times		
IP address ranges:	(e.g. 192.168.1	1.12 - 192.168.11.245 , 172	2.16.2.2 , 192.168.3.0/21 , 192.168.6.34-*)		
Open in Web browser:	HTTP5 Save	 ://<ip address="">: 4</ip> 	143		
10					

IN SINEC PNI						- • •
SIEMENS					SINE	EC PNI
				0	1	?
Device list		Settings	Device credentials			
Network adapter:	Local Area C	connection	~			
Scan protocol:	 PROFINI RUGGEE RUGGEE Ping 	ET devices DCOM ROS devices DCOM ROX2 & WIN device	s			
Ping timeout and retries:	Timeout: Retries:	300	ms times			
IP address ranges:	192.168.0.1 (e.g. 192.168.1	- 192.168.0.10 1.12 - 192.168.11.245 , 172.1	6.2.2 , 192.168.3.0/21 , 192.168.6.34-*)	_		
Open in Web browser:	HTTPS Save	 ://<ip address="">: 443</ip> 	3	3 A 🥠 🕑 🍨 🥅 🐁 👕 👪		

		N and	9	Û.	1	?
Device list	_	Settings	Device credentials			
letwork adapter:	Local Area C	Connection	~			
can protocol:		ET devices				
		DCOM ROS devices				
	C RUGGEI	DCOM ROX2 & WIN device	S			
	Ping					
ing timeout and retries:	Timeout:	300	ms			
	Retries:	3	times			
Paddress ranges:	192.168.0.1	1-192.168.0.10				
	(e.g. 192.168.1	1.12 - 192.168.11.245 , 172.1	6.2.2 , 192.168.3.0/21 , 192.168.6.34-*)			
open in Web browser:	HTTPS	✓ :// <ip address="">: 44:</ip>	3			

切换到 Device list 选项卡。

点击主窗口左上角的 Start network scan 按钮。软件会通过 RCDP 协议自动发现运行设备。

设备	数量	订货号	注释
PC	1	笔记本	
RX1400	1	6GK6014-0AM2	
网线	若干		

IN SINEC PNI	
SIEMENS	SINEC PNI
	¢• 1 0
E Device list Y Settings Device credentials	
Configure device 🏨 Flash LED 📘 Ping device 🖏 Reset device 🌐 Open in Web browser	Start network scan
Network scan	
Status Device ty: Performing network scan, please wait	Firmware vers Serial number
Device with IP address 192.168.0.4 Not reachable Device with IP address 192.168.0.3 Not reachable Device with IP address 192.168.0.2 Reachable Device with IP address 192.168.0.1 Not reachable Performing network scan(4/10), determining device data (0/0)) Stop

	TEINS							SINEC PR
E	Device list	Y 5	ettings	Device cred	lentials		Û.	1 0
Y Con	ifigure device	ić Flash LED 🛛 🚺 🕹	Ping device 🏼 🖉 R	eset device 💮			Sta	rt network scan
	Status 👻	Device type	PROFINET dev	IP address	MAC address	Article numbe	Firmware vers	Serial number
	T	T	Ţ	T	Ţ	T	T	T
	⊘ ок	RX1400		192.168.0.2	50:00:84:F6:D2:F		ROX 2.13.1 (2019	RUML91207407
stactade	Shown 1	Salactad						
	21 14 13/07 1 1							

扫描发现的 RuggedCom 交换机会显示在主窗口中。