

SINEC Primary Network Initialization (PNI)

Rev	Description	Date	Name
0	First Issue	12/04/2020	Jaz Tai

Introduction

1. SINEC PNI is a successor of the Primary Setup Tool (PST) which consists of below functionality.
 - Network Scan of all Profinet, Ruggedcom and other devices.
 - IPScan – to detect all the IP devices in the network.
 - Open Web-based management.

About SINEC PNI X

SINEC Primary Network Initialization
Version 1.0
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Entry type: **Download** Entry ID: **19440762**, Entry date: **02/19/2020**

Primary Setup Tool (PST)

Entry	Associated product(s)
Successor of the Primary Setup Tool (PST) Successor: SINEC PNI Basic (Primary Network Initialization)	
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See entry: > 109776941	

SINEC PNI Interface

Status	Device type	PROFINET device name	IP address	MAC address	Article number	Firmware version	Serial number
OK	S7-1500 CP	c-dkp2-cp1543-1-03-66	192.168.120.69	00:1B:1B:A7:03:66			
OK	SCALANCE W-700		192.168.120.65	00:1B:1B:AB:8B:9E	6GK5 734-1FX00-0AA0	V6.3.1	VPE8174558
OK	S7-1500	c-dkp2-cpu1511-ab-e2	192.168.120.68	28:63:36:82:AB:E2	6ES7 511-1AK00-0AB0	V1.6.0	
OK	ET 200eco PN 8DI	d-dkp1-et200eco-63-41	192.168.120.28	28:63:36:15:63:41	6ES7 141-6BF00-0AB0	V7.0.1	S C-E9TP94042014
OK	SCALANCE X-400	r-dkp2-xm408-67-00-maps	192.168.120.64	00:1B:1B:9D:67:00	6GK5 408-8GS00-2AM2	V6.2.2	VPE4141830
OK	SCALANCE S-600	ricky615	192.168.120.221	00:1B:1B:BB:41:98			
OK	SCALANCE X-200	x-dkp2-x208-28-23-ix	192.168.120.63	00:1B:1B:AB:28:23	6GK5 208-0BA00-2AF2	V5.2.3	VPE8137684
OK	SIMATIC-PC	h-dkp1-lpc427d	192.168.120.40	00:1B:1B:42:91:2B			
OK	SCALANCE X-200	x-dkp1-x204-44-b9	192.168.120.27	00:1B:1B:AB:44:B9	6GK5 204-0BA00-2BA3	V5.4.1	SVPE8169267
OK	ET200SP	d-dkp1-et200sp-ec-15	192.168.120.24	28:63:36:13:EC:15	6ES7 155-6AU00-0BN0	V1.1.1	S C-EBVW23142014
OK	SCALANCE W-700	ap3	192.168.120.61	00:1B:1B:A5:5C:10	6GK5 774-1FX00-0AA0	V6.3.1	VPE6177863
OK	Motor Mgmt. System	d-dkp1-slmocode-76-5f	192.168.120.31	00:0E:8C:E6:76:5F	3UF7 011-1AB00-0	V1.2.2	
OK	SCALANCE XB-200	x-dkp2-xb208-a4-df-maps	192.168.120.52	20:87:56:64:A4:DF			
OK	SCALANCE XF-200	aaaaaaaa	192.168.120.72	20:87:56:5C:92:1E	6GK5 204-2AA00-2GF2	V4.1	VPM130163
OK	KP8 PN 8KEYS 8DI/O DC24V	h-dkp2-kp8-ce-d4	192.168.120.70	28:63:36:14:EC:D4	6AV3 688-3AY36-0AX0	V1.0.1	S C-E9A308162014
OK	SCALANCE X-200	x-dkp1-x202-43-68	192.168.120.26	00:1B:1B:AB:43:68	6GK5 202-2BH00-2BA3	V5.4.1	SVPE8138662
OK	S7-300	c-dkp1-cpu315-46-6c	192.168.120.21	28:63:36:14:46:6C	6ES7 315-2G14-0AB0	V3.2.16	
OK	IM151-3	d-dkp1-et200s-61-5e	192.168.120.22	28:63:36:14:61:5E	6ES7 151-3BA23-0AB0	V7.0.5	S C-EBW842142014
OK	SCALANCE X-200	x-dkp1-x208-27-ae	192.168.120.30	00:1B:1B:AB:27:AE	6GK5 208-0BA00-2AF2	V5.2.3	VPE8137671
OK	IM151-3	d-dkp1-et200f-61-74	192.168.120.23	28:63:36:0F:61:74	6ES7 151-3B823-0AB0	V7.0.5	S C-E7UC87762014

Detected: 20 Shown: 20 Selected: 0

Scan Settings Interfaces

The screenshot displays the 'Settings' page of the Siemens SINEC PNI interface. The page is titled 'SIEMENS' in the top left and 'SINEC PNI' in the top right. A navigation bar at the top contains three tabs: 'Device list', 'Settings' (which is active), and 'Device credentials'. On the right side of the navigation bar, there are icons for a notification bell with a '0' badge, a user profile, and a help/question mark.

The main content area is divided into several sections:

- Network adapter:** A dropdown menu currently set to 'Wi-Fi'.
- Scan protocol:** Four toggle switches:
 - PROFINET devices
 - RUGGEDCOM ROS devices
 - RUGGEDCOM ROX2 & WIN devices
 - Ping
- Ping timeout and retries:** Two input fields:
 - Timeout: 300 ms
 - Retries: 3 times
- IP address ranges:** A text input field with a placeholder example: (e.g. 192.168.11.12 - 192.168.11.245 , 172.16.2.2 , 192.168.3.0/21 , 192.168.6.34-*)
- Open in Web browser:** A dropdown menu set to 'HTTPS' and an input field for the port number '443'.
- Fetch additional information:** A toggle switch that is currently turned on.

A 'Save' button is located at the bottom of the settings area.

Device credentials – for devices that need Secure Authentication

The screenshot shows the 'Device credentials' configuration page in the SIEMENS SINEC PNI interface. The page is titled 'SIEMENS' in the top left and 'SINEC PNI' in the top right. The navigation bar includes 'Device list', 'Settings', and 'Device credentials'. The main content area is divided into two sections. The first section contains 'User name:' with a text input field containing 'admin' and 'Password:' with a masked text input field. The second section contains 'SNMP version:' with radio buttons for 'V1', 'V2c', and 'V3' (selected). Below this are fields for 'Read SNMPv1/v2c community string:', 'Read/write SNMPv1/v2c community string:', 'SNMPv3 user name:', 'SNMPv3 authentication:' (with a dropdown menu set to 'None'), and 'SNMPv3 encryption:' (with a dropdown menu set to 'None'). Each of the last three fields has a corresponding masked text input field.

Download Link

- <https://support.industry.siemens.com/cs/ww/en/view/109776941>

English Manual

- [https://support.industry.siemens.com/cs/attachments/109776941/B
A_SINEC-PNI_76.pdf](https://support.industry.siemens.com/cs/attachments/109776941/B_A_SINEC-PNI_76.pdf)

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