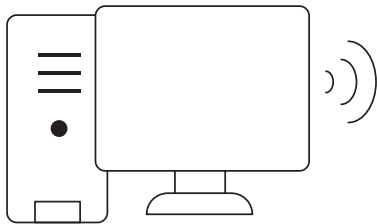


	Document code	Peimar_EN_Protocollo_Modbus_inverter_PSI_X
	Description	Guide to the Modbus Protocol for Peimar PSI-X series inverters
PEIMAR SRL VIA CEFALONIA, 70 - 25124 BRESCIA (BS) P.IVA 03416340986 Phone +39 030 22 32 92 - Fax +39 030 777 2102 www.peimar.com	Date	21/07/2026
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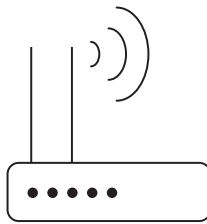


PLEASE NOTE

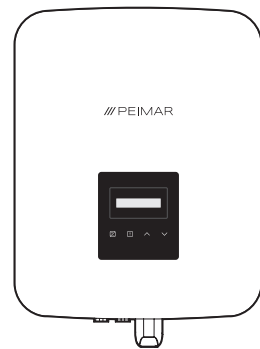
This document is not a replacement for the official user manual or installation guide for Peimar products. It is intended as a knowledge base to support photovoltaic system installers by providing additional information and troubleshooting assistance. All rights reserved by Peimar.



Computer



Wi-Fi Router



Inverter with Wi-Fi Dongle

Obtaining the Inverter IP Address

Refer to the user manual to finish the installation of Pocket Wi-Fi and Peimar inverter.

Procedure

1. Use a PC to search for the inverter's Wi-Fi network broadcast by the Pocket Wi-Fi (SSID: WiFi_Sxxxxxxxxx).
2. Connect to the inverter's Wi-Fi network.
3. Open a web browser (e.g. Internet Explorer, Firefox, or Chrome) and enter: `http://5.8.8.8/`
4. Log in
 Username: admin
 Password: admin or Registration No. (dongle SN) of your device.
5. DHCP setting page.
 Connect to the home router Wi-Fi by clicking 'Find AP' or by manually inputting the home router's SSID.
If you already have configured network (e.g. by APP) skip to step 4.
 Input the home router's password as the 'Key'.
 Click "Save".
 Refresh and remember the IP address

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Setting page

DHCP	Static IP	System
Firmware Version: 2.31		
MAC address: C8-93-46-CE-E1-B3		
SN: SWUJVGPKEH		
6	IP address: 192.168.0.103	
SSID:		Find AP
Key:		
		Save


 5.2


 5.1


 5.3

Modbus software connect and get data from inverter

PC connect to the same home router with inverter.

- Open Modbus software.
- Select connection type as Modbus TCP/IP.
- Enter the inverter IP address obtained previously.
- Inquiry the Inverter register data.

Check Peimar Modbus protocol document

Search the Register data meaning in Peimar Modbus protocol document.



PLEASE NOTE

Please contact Peimar to get the latest Peimar Modbus protocol document.

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Compatibility

Device		Hardware	Firmware
Energy Storage Inverters	Single phase	PSI-X1P3000-HY PSI-X1P6000-HY	ARM V1.23
	Three phase	PSI-X3S6000-HY, PSI-X3S8000-HY, PSI-X3S10000-HY, PSI-X3S12000-HY PSI-X3S15000-HY	ARM V1.20
On-grid Inverters	Single phase	PSI-X1P1100-TL, PSI-X1P1500-TL, PSI-X1P2000-TL, PSI-X1P2500-TL, PSI-X1P3000-TL	ARM V1.46
		PSI-X1S1100-TL, PSI-X1S1500-TL, PSI-X1S2000-TL, PSI-X1S2500-TL, PSI-X1S3000-TL	ARM V1.0
		PSI-X1P3000-TLM, PSI-X1P4200-TLM, PSI-X1P5000-TLM, PSI-X1P6000-TLM	ARM V1.46
		PSI-X1S3000-TLM, PSI-X1S4200-TLM, PSI-X1S5000-TLM, PSI-X1S6000-TLM	ARM V1.0
	Three phase	PSI-X3P6000-TP, PSI-X3P8000-TP, PSI-X3P10000-TP	ARM V1.17
		PSI-X3P15000-TPM, PSI-X3P20000-TPM, PSI-X3P30000-TPM	ARM V1.17
		PSI-X3P40000-TPM, PSI-X3P50000-TPM PSI-X3P60000-TPM	ARM V008.02
		PSI-X3P100000-TPM, PSI-X3P125000-TPM	ARM V015.01
Wi-Fi dongle	-	PSI-X-H-WIFI-3.0	V3.004.03