

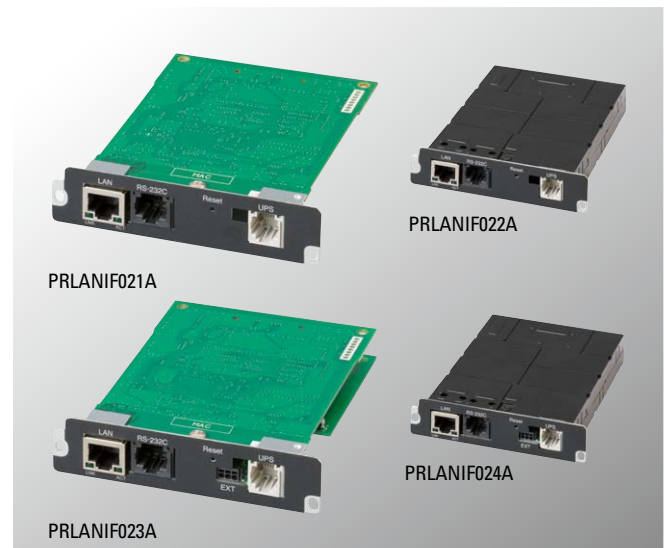
SANYO DENKI UPS Options—Networking Products

SANUPS LAN Interface Card

Modbus TCP/RTU Communication

Model number		
Communication protocol	Model no.	Description
Modbus TCP	PRLANIF021A	Without cover
	PRLANIF022A	With cover
Modbus TCP / RTU	PRLANIF023A	Without cover
	PRLANIF024A	With cover

If you need to transport a UPS with a LAN Interface Card installed, choose one with a cover to protect it against shock damage.



Contributes to the Stable Operation of Production Facilities

Modbus⁽¹⁾ Slave Function

- UPS status can be monitored from Modbus masters such as PLCs and monitoring control systems.
- This card provides centralized control of the entire system's power status, contributing to the stable operation of production facilities.

(1) A communications protocol which is commonly used for exchanging data between industrial devices.

Monitoring by UPS

Modbus Master Function

- The UPS acts as a Modbus master and can monitor the state of Modbus slaves, such as sensors, measuring instruments, and I/O modules. A notification email can be sent to an administrator when abnormalities occur.

Easy Connection to Production Facilities

- Supporting the industrial standard Modbus RTU⁽²⁾ protocol and the Modbus TCP⁽³⁾ internet communications protocol, it can easily connect with customers' Modbus devices.

(2) A widespread variant of Modbus. Data communication is mainly carried out through RS-485.

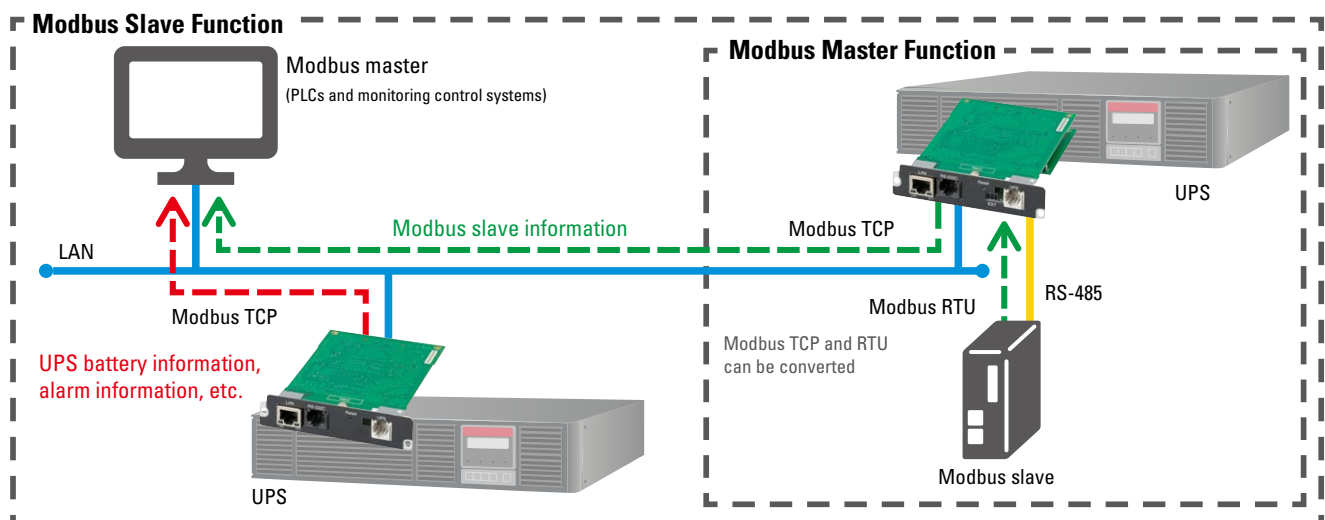
(3) A Modbus variant used for communications over TCP/IP networks.

Ideal for Connecting to ICT Devices

- Because it is compatible with our existing LAN Interface Cards, it can also be connected to ICT devices.

In addition, it has a function to shut down virtual platforms and virtual operating systems such as HCI.⁽⁴⁾

(4) A Modbus variant used for communications over TCP/IP networks.



Specifications

Functions		<ul style="list-style-type: none"> · Automatic computer shutdown (supports multi-platform) · Shutdown of power redundancy computers · Automatic computer startup at power restoration · Scheduled operation · UPS status display (supports web browser, SSH or Telnet) · SNMP agent (RFC1628, JEMA-MIB, SANYO DENKI private MIB) · Sending/receiving emails · Supports NTP (Network Time Protocol) · Download/upload of UPS setup values · Test function (script execution, sending emails, sending SNMP traps, shutdown) · Notification of events to the syslog server · Threshold monitoring of measurement values · Statistical graph display · Modbus master⁽¹⁾, (2)/slave function⁽³⁾ · UPS/Modbus measurement value collection and data storage
LAN communication ⁽⁴⁾	Communication speed	100 / 10 Mbps (Auto-negotiation)
	Communication method	Full-duplex and half-duplex (automatic), Auto-MDIX
Supported protocols		TCP/IP, UDP, DHCP, SNMP (v1, v2c, v3), HTTP, HTTPs, Telnet, SSH, FTP, FTPs, SMTP (over SSL/TLS), POP3 (over SSL/TLS), APOP, NTP, Modbus RTU, Modbus TCP
Power consumption	Modbus TCP model	1.4 W
	Modbus TCP/RTU model	2.1 W
Dimensions (W×D×H)		105×125.5×23.5 mm

(1) Up to 16 measurement values and statuses of Modbus slaves can be monitored.

(2) Set either of Modbus TCP or Modbus RTU as a master.

(3) Both Modbus TCP and RTU can be used at the same time.

(4) This product can operate in dual stack configuration using both IPv4 and IPv6.

Devices can be registered with a hostname (can be resolved to either IPv4 or IPv6), or either an IPv4 or IPv6 address.

SANUPS Uninterruptible Power Supply Series

SANYO DENKI offers a rich UPS lineup with output capacities ranging from 0.35 to 600 kVA. For detailed information, please visit our website.

Notice

●Please read the "Safety Precautions" on our website before using the product.

SANYO DENKI CO., LTD. 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo 170-8451, Japan TEL: +81 3 5927 1020 <https://www.sanyodenki.com>

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