

# SANYO DENKI UPS Options—Networking Products

Supports the Latest Version of IP Address: IPv6

There are limitations to the uses in combination with their predecessor models that are not IPv6 compatible. Contact us for details.

## SANUPS LAN Interface Card

When equipped in our UPSs, this card enables 24/7 remote monitoring of UPS operations and status, and sends e-mail notifications to system administrators for quick actions via network in the event of a power failure.

Combined with temperature and humidity sensors, it enables you to monitor UPS ambient temperature and humidity. (PRLANIF013B-US only)



Model: PRLANIF011B-US



Model: PRLANIF013B-US + PRLANSN001

### Models and compatible UPS models

Model no.	Compatible UPS models
PRLANIF011B-US	E11A / A11G-Ni / ASE-H / A11J
PRLANIF013B-US	E11A / A11G-Ni / ASE-H / A11J

### Options

Model no.	
PRLANSN001	Temperature sensor
PRLANSN002	Humidity sensor

## UPS Management Software

# SANUPS SOFTWARE Ver.3.0.1



SANUPS SOFTWARE enables real-time monitoring of UPS status via Web, and alerts the customer/administrator when a problem is detected. Various settings are possible such as scheduled power on/off, providing improved reliability and better management of your UPS system.

### Model no.

Windows version	
	PMS50B00E
	PMS50B00E-10 (10 licenses)
	PMS50B00E-50 (50 licenses)
	PMS50B00E-100 (100 licenses)
	PMS50B01E (with cable)

Multi-OS version (Windows, UNIX, Linux)	
	PMS51B00E
	PMS51B00E-10 (10 licenses)
	PMS51B00E-50 (50 licenses)
	PMS51B00E-100 (100 licenses)
	PMS51B01E (with cable)

### Supported operating systems

#### for Windows

Windows 7 (x86 / x64)
Windows 8 (x86 / x64)
Windows 8.1 (x86 / x64)
Windows 10 (x86 / x64)
Windows Server 2008 R2
Windows Server 2012 / R2
Windows Server 2016 (x64)

#### for UNIX

Solaris10 / 11 (x86 / SPARC)
AIX6.1/7.1 (TL* and SP* released after the 16th week of 2013)

#### for Linux

Red Hat Enterprise Linux v.3 / v.4 / v.5 / v.6 / v.7** (x86 / x64 / IA-64)
SUSE Linux Enterprise Server 10 SP3* or later / 11 SP2* or later / 12 (x86 / x64)
MIRACLE LINUX V4.0 SP2* or later (x86 / x64)
MIRACLE LINUX Asianux Server 3 / 4 (x86 / x64)
VMWare ESX Server 4.0 / 4.1

\* TL: Technology Level, SP: Service Pack

\*\* As for Red Hat Enterprise Linux 7, v. 7.1 to 7.4 are supported.

## Specifications

### LAN Interface Card

Functions	<ul style="list-style-type: none"> <li>· Automatic shutdown of computers (cross-platform support)</li> <li>· Shutdown of computers in power redundancy</li> <li>· Automatic computer startup at power restoration</li> <li>· Scheduled operations</li> <li>· UPS status display (Web browser, SSH, and Telnet compatible)</li> <li>· SNMP agent (RFC1628, JEMA-MIB, SANYO DENKI private MIB)</li> <li>· E-mail transmission and reception</li> <li>· NTP (Network Time Protocol) compatible</li> <li>· Download and upload of UPS setting values</li> <li>· Test functions (script execution, e-mail transmission, SNMP trap transmission, shutdown, mail server setting check)</li> <li>· Event notification to syslog server</li> <li>· Measurement value deviation monitoring (UPS internal information, ambient temperature/humidity*)</li> <li>· Statistical graphs display</li> <li>· Coordinated power management of up to 5 UPS units</li> </ul>	
LAN communication**	Communication speed	100 / 10 Mbps (Auto-negotiation)
	Duplex mode	Full-duplex and half-duplex (Auto-negotiation)
Supported protocols	TCP/IP, UDP, DHCP (DHCPv4 only), SNMP (v1, v2c, v3), HTTP, HTTPs, Telnet, SSH, FTP, FTPs, SMTP (over SSL/TLS), POP3 (over SSL/TLS), APOP, NTP	
Power consumption	PRLANIF011B-US	1.4 W
	PRLANIF013B-US	1.7 W max. (When 16 humidity sensors are connected to a LAN Interface Card)
Dimensions (W×D×H)	PRLANIF011B-US	105×125.5×23.5 mm
	PRLANIF013B-US	

\* A maximum of 16 temperature/humidity sensors can be connected.

\*\* It 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 an IPv6 address.

Note: Applications are launched by Java Web Start or Java applets, from a web browser.

### SANUPS SOFTWARE

Functions	<ul style="list-style-type: none"> <li>· Automatic shutdown of computers (cross-platform support)</li> <li>· Shutdown of computers in power redundancy (only when used with our LAN Interface Card)</li> <li>· Execution of user commands</li> <li>· Automatic computer startup at power restoration</li> <li>· Scheduled operations</li> <li>· UPS status display (Web browser and Telnet compatible)</li> <li>· E-mail transmission and reception</li> <li>· Test functions (script execution, e-mail transmission, shutdown)</li> <li>· Event log viewer</li> </ul>	
PC-UPS connection configurations	UPS connection via serial port (serial or dry contact connection)	
	Network connection via LAN Interface Card	

Note: It 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 an IPv6 address.

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