

ACCESSORIES

ADVANCED COMMUNICATION CAPABILITIES

Makelsan UPS's wide range of advanced remote communication options. Remote control management of the UPS is provided over the Network and enables centralized management via the MAKNet Software.

MakNET UPS Management Software

MakNET UPS-Management Software is a collection of client/server modules for networks and local workstations for monitoring the status of system resources and managing operations in response to changing conditions. When MakNET begins, it collects the messages sent from the UPS and analyses received messages to notify the administrator/operator. Grafically all the MakNET actions can be monitored.

If MakNET detects voltage variations, power loss or any other UPS condition, it can respond with a wide variety of actions to each different event, which for example may shutdown the server or send warnings and emails to connected users.

The user can alter the configuration in respects to network messaging, sending of email or SMS, RCCMD (Remote Console Command) shutdown, etc.

- Every MakNET includes an RCCMD Server (Remote Console Command) to provide a simultaneous and secure shutdown of several servers and/or workstations on almost any platform.
- More than 12 languages are supported.
- MakNET for Windows XP/VISTA Business/2000//2003 Server/2008 Server/Windows 7, Novell NetWare and UNIX have an SNMP proxy agent, which translates all UPS data into SNMP format.
- Every MakNET comes with its own web-server, that allows the monitoring or configuration from remote using any standard web-browser.
- MakNET runs also on less widely spread platforms like DEC VMS/Compaq and APPLE MAC X - and of course, inside the CS121 Web Adapter.



MakNET SNMP Card

MakNET SNMP Card was developed to integrate the UPS into networks. It allows control and monitoring of multiple UPS's using the TCP/IP, HTTP and SNMP.

- Compatible with MakNET software.
- Events log and data management
- Management of environmental sensors
- Warning notifications via audible alarm, email and SMS.



Dry Contact Card

A "dry" contact is a contact that is not initially connected to a voltage source and provides isolated, dry contact signals that can indicate any failure of UPS. Relay contacts are totally isolated from UPS and Ground. All isolated contacts can operate between 3.3VDC - 24VDC. UPS can be controlled remotely with help of the isolated contacts and via other devices.



External Battery Temperature Sensor

R336-R01A module is mounted on battery cabinet. Altogether with information about the temperature of the batteries inside the cabin, it also forwards the information about the position of the key on the cabin. A single card of this type is needed for each cabin.



RS232, RS485 Serial Port

UPS input-output parameters can be observed and controlled with RS232 and 485 communication port and MAKNet software. MAKnet software reports all changes in UPS status by email; also all operating systems can be safely turned off through the network.



Data Expansion Card

R326-R01A module is directly connected to one of two expanding slots of UPS. The main duty of this module is to collect information from other battery cabins. Here, in physical intercommunication environment CAN works with MAKBUS protocol.



Remote Panel

The UPS Remote Panel is intended to help the user to observe the operational status of the UPS from a distant place. The user can be informed about status of all operations, events and parameters of the working UPS through the LCD screen of remote panel.



ModBUS

It provides data exchange between UPS and Automation Systems that support the ModBUS RTU protocol. Connection possibility using RS485 or RS232. Provides real-time UPS status information.