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Remote Notification and Management with ON Series® UPS

When UPSs are used to support critical telecommunications or IT systems in remote sites, many system managers seek *remote notification* of power events that would put uptime at risk, or *remote access* for the purpose of diagnostics and control. This reviews the capabilities and implementation options available with an ON Series UPS.
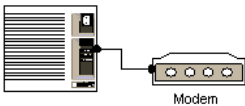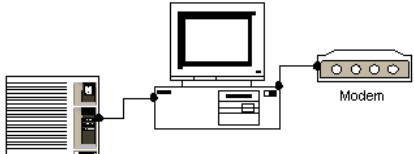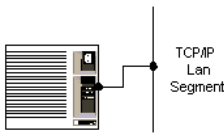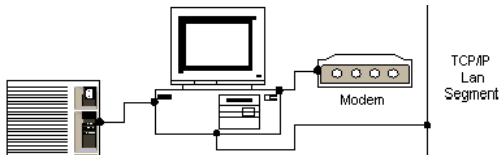
Remote Notification:
Automatic notifications of power fail situations and UPS fault conditions (such as UPS Overload, Replace Battery, System Fault, etc.) can be transmitted via modem, email, network messages and/or SNMP Traps depending upon how UPS communications connection(s) are implemented.

In scenario A below, alerts are sent via telecom lines using **ONEREMOTE™**, an intelligent modem that sends a fax or pager message. Under scenarios B and D, alerts are transmitted via system modem through a pager dial-out session controlled by **MopUPS®—**UPS monitoring software that runs under Windows and Unix. In scenario D, MopUPS will also send alerts via email, network messages and/or SNMP Traps (NT only). Scenario C allows alerts to be transmitted through SNMP Traps or email using **ONENIC™**, an ethernet adapter card with embedded SNMP agent and web server.

Remote Access and Manageability:
Access to an array of UPS information and control functions is available under all scenarios using different approaches. In scenario A, a system manager accesses an ON UPS remotely via PC/modem to modem/UPS link using a Windows PC running **ChangeUPSREMOTE™**—UPS communication and configuration software offered by ONEAC. Dial-in capability is available using any standard modem as well as through **ONEREMOTE**. Under scenarios B and D, remote access to the UPS is achieved through a modem or a network link to the computer running **MopUPS**. If you can access the computer remotely, you can access the UPS attached to it. Under Windows environments, the capability to point to and access a specific computer, local or remote, exists within the MopUPS application. In scenario C, UPSs are accessed remotely via the TCP/IP network from any web browser or SNMP manager console email using **ONENIC**, an ethernet adapter card with embedded SNMP agent and web server.

Implementation Options:

	Direct	Via PC Requires dedicated Serial Communications Port on PC and ONEAC MopUPS software.
Modem Only	 **A**	 **B**
LAN Attached	 **C** Requires ON UPS NIC card with embedded SNMP Agent	 **D**