

# UPS Network Management Card - Terminologies

## Security & Accessibility Quick Reference Sheet



Key Features		About	Typical Use Cases
<b>Security</b>			
SSL	Secure Sockets Layer	Cryptographic protocol that provides communications security over a network	Supports secure communication across applications like web browsing, email.
TLS (HTTPS)	Transport Layer Security	Cryptographic protocol that provides communications security over a network; Upgraded from SSL.	Supports secure communication across applications like web browsing, email.
SSH	Secure Shell	Cryptographic network protocol for operating network services securely over an unsecured network	Supports remote login to server by user.
Firewall	Onboard Firewall	Network security system that monitors and controls the incoming and outgoing network traffic based on predetermined security rules.	Supports single window monitoring of UPS from a Building management system installed in home or office environments.
SCP	Secure Copy - Secure File Transfer	A means of securely transferring computer files between a local host and a remote host or between two remote hosts. It is based on the Secure Shell (SSH) protocol.	Supports secure transfer of file like firmware binaries from local or remote system to NMC.
RADIUS support	Remote Authentication Dial-In User Service support	A networking protocol that provides centralized Authentication, Authorization, and Accounting management for users who connect and use a network service.	Supports a user authenticated for remote log in to Network Management Card.
Encryption Key		A piece of information that determines the output of a cryptographic algorithm.	For secure communication, the UPS communication data is encrypted using the encryption key prior to communication.
<b>Accessibility</b>			
SNMP	Simple Network Management Protocol.	An Internet-standard protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior.	SNMP is widely used in network management systems to monitor network-attached devices for conditions that warrant administrative attention. UPS NMC supports SNMP v1/v2c/v3.
CLI	Command Line Interface.	It is a means of interacting with NMC where the user issues commands to the NMC in the form of successive lines of text (command lines).	Supports configuration & management of NMC through issuing of commands via Telnet or Secure Shell (SSH) or Dial-in interface (AP9635 only).
NMS compatible	Network Management System (NMS) compatible.	A system that constantly monitors a network of devices for symptoms of failure and reports to the administrator.	Supports NMC integration with 3rd party NMS for monitoring and reporting traps as events occur.
MIB support	Management Information Base support.	A database used for managing the entities in a communication network, often associated with SNMP.	With a Powernet MIB, an NMS can use its SNMP browser to manage NMCs and also receive traps from them. (Note: MIB supported by APC devices is Powernet MIB).
Modbus support		Communication protocol that enables communication among many devices connected to the same network.	Support reading values from UPS and update configuration (only in supported UPS models) using Modbus via supported interface - TCP or serial (AP9635 only)

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