



# Network Management Card 3

Secure monitoring and management



## Minimize IT downtime

Preventing downtime across IT infrastructure is mission critical. The Schneider Electric Network Management Card (NMC) enables secure remote monitoring and control of power and cooling infrastructure by connecting it directly to the network.

Remote management can save time and money with the ability to reboot hung devices, restoring functionality without deploying personnel. Secure remote monitoring and control of your power and cooling infrastructure can be managed through the easy-to-use web browser interface, via EcoStruxure™ IT Software or another SNMP-enabled system of your choice.

## What changed as of May 1, 2023?

Customers with a Network Management Card 3 for APC Smart-UPS™ and 1-Phase Rack PDU devices will now require a support contract license to access future firmware updates.

Customers who purchase an NMC Support Contract license will gain the following additional benefits:

- More features faster
- Priority support
- Rapid cybersecurity updates

For more information on licensing, visit [se.com](https://se.com).



Monitoring and alarming



Wherever-you-go visibility



Preventative management



Security reinforcement

[apc.com/secure-nmc](https://apc.com/secure-nmc)

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# Network Management Card Features

Improving resiliency and security in IT infrastructure management with remote power and cooling device management

**EcoStruxure™ IT integration:** Monitor and manage your equipment more efficiently. The vendor-neutral architecture delivers a new standard for proactive insights on critical assets of an IT environment.

**Network Management System (NMS) compatible:** Make device information available to your preferred NMS by forwarding SNMP traps (events) or polling across SNMP (v1/v2c/v3) using the PowerNet MIB.

**Environmental monitoring and Modbus support:** Enable remote monitoring and interface with EcoStruxure IT, building management systems, or other third-party systems.

**Reboot equipment remotely:** Quickly re-establish availability over your network and save dispatching technicians to remote locations.

**Smart battery management for UPS:** Manage and maintain entire battery system with detailed battery information, even battery cartridge parameters, providing early fault warning.

**Flash upgradeable firmware:** Convenient remote installation of power and cooling device firmware updates.

**PowerChute Network Shutdown software for Smart-UPS:** Graceful UPS/server shutdown with advanced support for virtualized environments. (VMware® ESX/ESXi, Microsoft® Hyper-V and SCVMM, Nutanix AHV)

 **Notification**  
Receive alerts to quickly deal with issues

 **Scheduling**  
Customize shutdown and reboot of connected equipment to UPS or PDU

 **Data logging**  
Identify problematic trends before they escalate or export logs for analysis

 **Event logging**  
Pinpoint timing and sequence of events leading up to an incident with event log

## Next generation capabilities

### Secure by design



Advanced technology and features keep sensitive data secure with newest and best-in-class security compliance

- Secure Boot with Root of Trust for enhanced security
- Increased password security with stricter credentials and force password policy configurations
- EAPoL (Extensible Authentication Protocol over LAN) architecture used in IEEE 802.1x port-based network access control
- Secure access SSH, HTTPS (TLS 1.2)
- Secure email authentication
- Secure file transfer (SCP)
- 2048-bit encryption key support (SSH/web)
- 5-tier user access (Super User, Administrator, Device User, Read-Only User, Network-Only User)
- RADIUS protocol support for centralized user management and easier user sign on when remotely managing multiple or multi-site UPS

### Performance



New processor provides a

- 1Gigabt Ethernet connection (RJ 45 10/100/1000 Base T)
- RADIUS support: Allows for centralized user management for easier user sign on when remotely managing multiple or multi site UPS
- Simultaneous multiple user login: Supports multiple NMC 3 sessions

### Storage and ease of use



Extended memory space to accommodate increased event and data log storage

- 100x storage of Network Management Card 2 for more data and event logs
- Easy-to-use web user interface for full access and control of all available features
- Easily view your power and cooling infrastructure status and configure your settings
- Pre-loaded support for 9 languages (French, Italian, German, Spanish, Brazilian Portuguese, Russian, Korean, Japanese, and Simplified Chinese)
- Multiple user logins in simultaneous sessions with user access control (Super User, Administrator, Device User, Read-Only User, Network-Only User)

# UPS Network Management Card 3

## Product comparison

Remotely manage your UPS on your existing network with data center, building management, or industrial automation systems using the UPS Network Management Card 3. Remote management can save time and money with the ability to reboot hung devices restoring functionality without deploying personnel. The following NMCs are for Smart-UPS with a SmartSlot. For those Smart-UPS with an embedded NMC they will have the same functionality as described below for the AP9641 NMC.



**AP9640**  
UPS Network Management Card 3



**AP9641**  
UPS Network Management Card 3  
with environmental monitoring  
(UPS with an embedded NMC have  
the same functionality as AP9641)



**AP9643**  
UPS Network Management Card 3  
with environmental monitoring and Modbus support

Feature	Benefit	AP9640	AP9641	AP9643
SNMP Management (v1/v2/v3)	Monitor and manage your UPS as one of your network devices over your preferred Enterprise Network Management System by forwarding SNMP traps (events) across SNMP (v1/v2/v3) using the PowerNet MIB.	✓	✓	✓
Data event logging	Identify problematic trends and take appropriate action before they escalate or export logs for analysis.	✓	✓	✓
IPv6 support	Be ready to support the next generation of IP networking with the trending Internet of Things (IoT) and Industrial IoT.	✓	✓	✓
Smart battery management (SRT and SRTL Smart UPS only)	Manage and maintain entire battery system with detailed battery information, even battery cartridge parameters, providing early fault warning. Helps you plan preventative battery maintenance.	✓	✓	✓
User-friendly firmware upgrade capability	Install maintenance releases off firmware remotely to your NMC or UPS* ensuring ongoing remote management of your UPS. *SMT, SMTL, SMX, SRT, SRTL models*	✓	✓	✓
BACnet/IP and Modbus TCP support	Integrate your UPS to existing networks with 3rd party building management system and industrial automation systems.	✓	✓	✓
Two USB ports	Support UPS NMC firmware upgrade.		✓	✓
APC USB Wi Fi device (AP9834) compatible	Provide secure wireless internet to your connected devices (UPS and rack PDUs). Drive operational efficiency, reducing downstream costs and clutter from traditional cabling.		✓	✓
Temperature and (optional) temperature & humidity monitoring AP9335T included, AP9335TH optional	Monitor temperature and humidity and take appropriate action when needed to ensure the best possible performance from your UPS.		✓	✓
Optional dry-contact IO accessory (AP9810) support	Monitor external triggers and initiate actions or external devices.		✓	✓
Additional protocol interface (4 wire Modbus RTU)	Support device communication on a Modbus serial line using the RTU. This mode has greater character density.			✓

**Languages (user interface) support:** Simplified, Chinese, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish (for language support check [apc.com](http://apc.com))

## Network Management Card Support Contract License provides



Cybersecurity



Innovation



Peace of mind

## Support Contract license benefits

	E-mail and phone support	Schneider Electric will respond as quickly as possible during normal regional business hours
	Ongoing firmware updates	Includes product enhancements and security updates
	Access to new features	Firmware upgrades introducing new features increases value for existing install base
	Improved firmware update experience	Access to NMC Firmware Update Tool for management of support contract licenses and for updating NMC firmware

## The Support Contract license part numbers

Smart-UPS	
License Part #	Support Contract License
SWNMC3SU-1Y-DIGI	NMC3 for Smart-UPS – 1 Year Support Contract License
SWNMC3SU-3Y-DIGI	NMC3 for Smart-UPS – 3 Year Support Contract License
SWNMC3SU-5Y-DIGI	NMC3 for Smart-UPS – 5 Year Support Contract License
SWNMC3SU-6Y-DIGI	NMC3 for Smart-UPS – 6 Year Support Contract License
Rack PDU	
License Part #	Support Contract License
SWNMC3PDU-1Y-DIGI	NMC3 for 1-Ph rPDU – 1 Year Support Contract License
SWNMC3PDU-3Y-DIGI	NMC3 for 1-Ph rPDU – 3 Year Support Contract License
SWNMC3PDU-5Y-DIGI	NMC3 for 1-Ph rPDU – 5 Year Support Contract License
SWNMC3PDU-6Y-DIGI	NMC3 for 1-Ph rPDU – 6 Year Support Contract License

Discover Network Management Card 3 options that work for your business.

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Schneider Electric Industries SAS  
35, rue Joseph Monier - CS 30323  
F92506 Rueil-Malmaison Cedex