

Network Management Card 3 (NMC3)

A sophisticated management application for device level monitoring & management

Monitoring and Management is mission critical

Running your business without remote monitoring exposes you to unexpected issues and downtime.

The Network Management Card 3 (NMC3) is the building block for monitoring and management by connecting your UPS and PDU devices to the network.

Connecting your devices will improve the availability, resiliency, and efficiency of your power infrastructure systems and the IT workloads they support.



 **Monitoring and alarming**
 **Wherever-you-go visibility**
 **Preventative management**

Secure by Design

- Independent cybersecurity certifications
 - IEC 62443-4-1
 - IEC 62443-4-2 (SL2)
 - ISASecure SDLA
- Secure Boot with Root of Trust chip validates cryptographic information and keys.
- Secure access SSH, HTTPS (TLS 1.3).
- 2048-bit encryption key support (SSH/web).
- Strict password security credentials and forced password policy configurations.
- Secure email authentication.
- EAPoL (Extensible Authentication Protocol over LAN) architecture used in IEEE 802.1x port-based network access control.
- Simultaneous User Access (8 Web UI, 5 CLI, 1 Serial) and Multi Tier Users (Super User, Administrator, Device User, Read-Only User, Network-Only User).
- Supports certificates issued by a Certificate Authority (CA) for trusted access.

For more information please visit:

www.se.com/secure-nmc

Function	Key Benefits
Web UI	Securely monitor and manage your device remotely via any supported browser, giving you mission critical visibility.
Communications Protocol Support	SNMP v1/v3, BACnet (AP9640 / AP9641 / AP9643 / AP9547 and Embedded NMC), Modbus TCP, Modbus RTU (AP9643) provides device information to third-party Network Management Systems or Building Management Systems.
EcoStruxure™ IT integrations	<ul style="list-style-type: none"> • Centrally monitor and manage your devices with our vendor-neutral DCIM portfolio; the new standard for proactive insights • Increase resiliency with PowerChute HCI software for graceful shutdown, unattended start-up, virtual machine migration.
Notifications and logging	<ul style="list-style-type: none"> • Data & Event Logs: Identify problematic trends & sequences. • Syslog Support: Centralized logging across network devices. • Email Notifications: Deal with crucial situations on time.
Protocol Support	RADIUS, LDAP, TACACS+, SSH, SCP, FTP, Telnet
Network Port Speed	Gigabit Ethernet
Network Compatibility	IPv4, IPv6, HTTPS, HTTP,
Multi Language Support	Pre-loaded support for 9 languages (French, Italian, German, Spanish, Brazilian Portuguese, Russian, Korean, Japanese, and Simplified Chinese)
Sensor Support	Temperature / Temperature & Humidity / Spot Fluid Support (AP9641 / AP9643 and Embedded NMC)

Network Management Card 3 (NMC3)

1-Year Secure NMC Subscription is included with all UPS and PDU devices

What is the Secure NMC System

We designed the Secure NMC System around three key pillars:

- ✓ **Secure Products**
 - Our NMC is Independently certified to the IEC 62443-4-2.
- ✓ **Secure Development Processes**
 - Our development processes are certified to IEC 62443-4-1 and ISASecure SDLA.
- ✓ **Easy to manage and deploy NMC updates**
 - New Secure NMC System Tool because being secure should not be difficult.



Why updating your NMC firmware matters

More and more cybersecurity breaches are linked to **neglected firmware**.

60% Of devices are running older versions of firmware

57% Of devices on legacy firmware are exploitable to a high number of CVEs (>10)

(Source: Microsoft Security Signals Report 2023)

Activate your included subscription

Download the **Secure NMC System Tool** from www.se.com/secure-nmc and follow the instructions to activate your included 1-Year Secure NMC subscription*

*For 1-Phase UPS & PDUs purchased from April 2024

The IEC 62443-4-2 certified NMC firmware is included with EcoStruxure™ IT Expert and Data Center Expert.

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Flexible options (to upgrade or extend subscriptions)

Smart-UPS / 1-Phase Symmetra	Easy UPS On-Line	rPDU	Subscription Term
SWNMC3SU-1Y-DIGI	FWENMC1P-ST1Y-DIGI	SWNMC3PDU-1Y-DIGI	1 Year Digital License
SWNMC3SU-2Y-DIGI	FWENMC1P-ST2Y-DIGI	SWNMC3PDU-2Y-DIGI	2 Year Digital License
SWNMC3SU-3Y-DIGI	FWENMC1P-ST3Y-DIGI	SWNMC3PDU-3Y-DIGI	3 Year Digital License
SWNMC3SU-4Y-DIGI	FWENMC1P-ST4Y-DIGI	SWNMC3PDU-4Y-DIGI	4 Year Digital License
SWNMC3SU-5Y-DIGI	FWENMC1P-ST5Y-DIGI	SWNMC3PDU-5Y-DIGI	5 Year Digital License
SWNMC3SU-6Y-DIGI	FWENMC1P-ST6Y-DIGI	SWNMC3PDU-6Y-DIGI	6 Year Digital License

For purchased subscriptions, expect an email with license management instructions sent to the **Installer Email** contact on the **Purchase Order**.