

UPS Network Management Card Product Center

The **NMC Product Page** can help to keep you updated with new releases and functionality.

Search for **Application Notes** on the **APC website** for useful information on specific features of your UPS Network Management Card, like Security and UPS configuration management.

- Network Management Card 2
 - Smart-UPS and 1-Phase Symmetra – firmware v7.1.2
- Network Management Card 3
 - Smart-UPS and 1-Phase Symmetra – firmware v3.0.0.12 / v2.5.0.3
 - Smart-UPS Ultra 5-20 kVA– firmware v2.5.1.3
- Network Management Card for Easy UPS
 - 1-Phase – firmware v2.5.0.8
 - 3-Phase – firmware v2.5.0.1

See the **Troubleshooting Flowcharts** for information on troubleshooting common Network Management Card issues.

Network Management Card 2

Smart-UPS and 1-Phase Symmetra Application

New to firmware v7.1.2

- The SNMPv1 and SNMPv3 port numbers are now configurable in SNMP traps (Web, CLI, and INI).

Important fixes in firmware v7.1.2

- You can paste passwords and passphrases above 20 characters in the Command Line Interface (CLI) via SSH.
- The SSH CLI user session now begins in the default directory upon login.

Downloads

To download the latest version of the firmware:

1. Navigate to the NMC product page: <https://www.apc.com/upsnmc> on the APC website.
2. Open the **Software and Firmware** tab and sort by the newest.
3. Select the NMC 2 firmware from the list, for example, "Network Management Card 2 (NMC2) v7.1.2 Firmware for Symmetra with AP9630/31 (7.1.2)".
4. Click **Files for Download** and click **Download ZIP**.

See **File Transfer** section in the NMC 2 **User Guide** for more information on upgrading firmware.

Network Management Card 3

New to firmware v3.0.0.12 (Smart-Ups) & v2.5.0.3 (1-Phase Symmetra)

- The NMC3 platform and Smart-UPS application are now IEC 62443-4-2 certified.
- Support added for audit logging to ensure control actions and configuration changes are recorded in the Event Log.
- Support added for remote authentication via the TACACS+ protocol.
- Password security has been updated to align with the requirements for IEC 62443-4-2.
- SNMPv1 port number is now configurable.
- Support added for Dell VxRail for PowerChute Network Shutdown 4.5 or higher.
- The default value for Bad Login Attempts is now 5. In previous firmware versions, it was 0 (unlimited).
- The Web UI now reports "Invalid username or password" instead of "Account locked out" if the number of Bad Login Attempts is exceeded.

Important fixes in firmware v3.0.0.12 (Smart-UPS) & v2.5.0.3 (1-Phase Symmetra)

- SNMP OID `upshighprecbatterypackonly` now correctly displays all information about **Battery Packs**.
- The NMC3 Web UI now allows passwords with up to 64 characters, as expected.
- For encrypted email settings, install CA certificate to the certificate store and set "Require CA Root Certificate" correctly.
- Improved TLS certificate for email.
- Security vulnerability CWE-74: Improper neutralization of special elements in output used by a downstream component (Injection)
- Security vulnerability CWE-79: Improper neutralization of input during web page generation (Cross-site Scripting).

Downloads

To upgrade to NMC3 firmware version 3.0.0 and higher, you must have a valid Secure NMC System (SNS) subscription and use the Secure NMC System (SNS) Tool:

1. Navigate to the NMC product page, www.apc.com/secure-nmc on the APC website.
2. View the Secure NMC System subscriptions available to purchase on the **Secure NMC System Subscriptions** sub-category. To purchase a subscription, contact your preferred Partner and quote one of the following Commercial References:

Commercial Reference (CR)	Description
SWNMC3SU-1Y-DIGI	NMC3 for Smart-UPS - 1 Year Secure NMC Subscription
SWNMC3SU-3Y-DIGI	NMC3 for Smart-UPS - 3 Year Secure NMC Subscription
SWNMC3SU-5Y-DIGI	NMC3 for Smart-UPS - 5 Year Secure NMC Subscription
SWNMC3SU-6Y-DIGI	NMC3 for Smart-UPS - 6 Year Secure NMC Subscription

3. Once you have purchased your SNS subscription, you will receive an Activation ID via email that is activated in the Secure NMC System (SNS) Tool.
4. Download the Secure NMC System (SNS) Tool from the **Secure NMC System Tool** sub-category on the NMC product page, www.apc.com/secure-nmc or by searching for SFNMC3FMTSU.
5. Once downloaded, you can use the SNS Tool to add your NMC details, activate your subscription, and update your firmware.

See the Secure NMC System **User Guide** for more information on upgrading firmware with the SNS Tool.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/856234120104010043>