

Network Management Card 4 (NMC 4)

Firmware 6.54.5

Release Notes

New Features

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For a list of features available in the NMC 4, refer to the [Network Management Card 4 Feature List](#).

Feature
New serial Modbus configurations added. NOTE: If the firmware version on the NMC is downgraded after Modbus is configured in v6.54.5, Modbus must be reconfigured.
The IP address to locally access the optional NMC's (AP9644) Web UI and CLI via the micro-USB cable is now "169.254.252.1". The IP address to locally access the internal NMC's interfaces is now "169.254.251.1".
SNMP support added for temperature (AP9335T) and temperature/humidity (AP9335TH) sensors.
New gencert Command Line Interface (CLI) command.
Active alarms display text and full descriptions are now displayed in the Overview page in the Web UI.
Operational and Battery Statistic information added to the UPS Statistics page in the Web UI.
The NMC's MAC address is now displayed on the UPS device's HMI.

Fixed Issues

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Issue
When the optional NMC (AP9644) is rebooted, temperature and temperature/humidity events are no longer logged to the Event Log when no environmental sensor is connected.
Temperature and temperature/humidity-related events no longer take up to 7 minutes to be logged to the Event Log
Critical temperature and temperature/humidity-related events now clear as expected in the Web UI when they are resolved.
The value for the upsBatteryCabinetEntry SNMP Object Identifiers (OIDs) now display once as expected.
FTP access is no longer disabled when a firewall rule is created.
When the optional NMC (AP9644) is inserted in a UPS device, the optional NMC will upgrade or downgrade its firmware to match the firmware version of the internal NMC. The optional NMC will reboot during the downgrade/upgrade process. This reboot is now logged to the Event Log.
When an e-mail recipient is deleted in the Web UI (Configuration > Notification > E-Mail > Recipients), it will no longer receive notifications for a configured event as expected.
There is no longer a delay sending SNMPv1 traps configured for Unicode-based languages (Japanese, Chinese, Russian, Korean).
The CLI session no longer closes if the -n option is not provided in snmpv3 commands to edit user access.
SFTP and FTP sessions now terminate when the session times out.
The Event Log in the Web UI now displays complete IPv6 addresses.
The NMC now accepts a valid user password if it contains "\$&".

Known Issues

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Issue
After upgrading or downgrading the NMC's firmware, a device scan request may be required to synchronize data in StruxureWare Data Center Expert.
After a firmware downgrade, the alarm count is mismatching between the internal and optional NMC (AP9644). To resolve this issue, press the Reset button on the AP9644's faceplate.
When a user's password is changed via the user command in the CLI and does not meet the password requirements, a parameter error is displayed instead of "Password did not meet the requirements for a strong password."
When an SSL certificate is removed via the SSL Certificate Configuration page in the Web UI, the "New self-signed certificate loaded" event is incorrectly logged to the Event Log.
There are discrepancies between the current time displayed in the Web UI and the CLI. The date command in the CLI will report the current time in real-time, whereas the Web UI will display the browser's current time with respect to the UTC value set. NOTE: The UPS HMI will also display the current time in real-time.
The Configure Events screen in PowerChute Network Shutdown v4.3 displays the "Communication Established with EMC" and "Communication Lost with EMC" events. These events can be ignored as they are not supported.
When the optional NMC (AP9644) is inserted, some alarms and events are not logged on all the configured interfaces (traps, emails, Syslog, Event Log). For example, the "Lost Communication" alarm is not logged as an active alarm or sent as a trap/email.
When the Web UI is locally accessed via an internal IP address (169.254.251.1 / 169.254.252.1) and HTTP/HTTPS is disabled, you can no longer access the UI using the disabled protocol. For example, if HTTP is disabled, you cannot access the Web UI at http://169.254.252.1
When adding a rule via the Firewall Configuration page in the Web UI, the table incorrectly includes the IP/Range/Subnet column, which is not currently supported.
The Notification Delay and Repeat Interval features for event actions do not behave as expected. For example, you may receive multiple notifications for an active event.
When the mode is set to "DHCP Only" in the IPv4 Settings page in the Web UI, the DHCP IP settings are incorrectly populated in the "Manual" mode section.
When the boot mode is changed from DHCP to manual in the CLI (using the boot command), the previously used static IP address is incorrectly assigned.
You cannot connect to SNMPv1 using an IPv6 address. Use SNMPv3 as an alternative.
When the DHCP server is unavailable, the NMC IP address appears as an incorrect IP address, instead of "0.0.0.0".

Issue
When you enter a Primary DNS Server address in the DNS Configuration page in the Web UI, the details entered will populate the Active Primary DNS Server and Active Secondary DNS Server sections. When you enter a Secondary DNS Server address and switch to this network, the Primary DNS Server address will now be populated in the Active Tertiary DNS Server section.
When you log out from the NMC serial console interface, the Current Sessions page in the Web UI still shows the session as active.
The Web UI can take 25-30 seconds to load using Microsoft Edge. This is a common issue with Microsoft Edge.
File Transfer Protocol (FTP) is not available over IPv6.
When credentials are provided in StruxureWare Data Center Expert after adding the NMC via SNMP, the NMC still requires login credentials when attempting to access the Web UI.
When using IPv6 with Internet Explorer 11, you can only use the fully qualified domain name (FQDN) to access the Web UI. This is a known issue with Internet Explorer 11.
Enabling IPv6 via the serial console port interface may cause the console connection to unexpectedly disconnect.
When Auto Configuration is disabled in the IPv6 Settings page in the Web UI, the NMC still displays the card's IPv6 address and the card is accessible using a DHCP IPv6 address.
No browser warning message is displayed in the Web UI when navigating without saving your changes.
SNMPv3 Access Control filtering is not supported. Use the Firewall to control access to SNMPv3.
When viewing the Event Details page in the Web UI for an event, you cannot disable the logging of an event to the Event Log. However, the option is still present for mass configuration of events.
When accessing the Web UI using a smartphone, the Rule Configuration table on the Firewall Configuration page is not responsive.
When an SNMPv3 profile is enabled with a valid NMS IP/Host Name, you can connect to a MIB browser of another system and not the configured SNMP profile. NOTE: The only supported value for NMS IP/Host Name for SNMPv3 is "0.0.0.0".