

Network Management Card 4 (NMC 4)

Galaxy VS Firmware 6.101.0 / Galaxy VL Firmware 14.4.0

Feature List

Features	Firmware 8.10.0	Firmware v10.11.0	Firmware v6.82 0/ v12.21.0	Firmware v13.18.1	Firmware v14.4.0/ v6.101.0
Browser and mobile access	✓	✓	✓	✓	✓
EcoStruxure™ IT integration	✓	✓	✓	✓	✓
PowerChute™ Network Shutdown integration	✓	✓	✓	✓	✓
Event logging	✓	✓	✓	✓	✓
Fault and power event notification	✓	✓	✓	✓	✓
Configure events	✓	✓	✓	✓	✓
Modbus serial/TCP	✓	✓	✓	✓	✓
Syslog	✓	✓	✓	✓	✓
Enterprise management system compatible SNMPv1	✓	✓	✓	✓	✓
SNMPv3	✓	✓	✓	✓	✓
FTP server access support	✓	✓	✓	✓	✓
TLS 1.2 support	✓	✓	✓	✓	✓
TLS 1.3 support	✓	✓	✓	✓	✓
IPv4	✓	✓	✓	✓	✓
IPV6 Ready	✓	✓	✓	✓	✓
Domain Name System (DNS) configuration	✓	✓	✓	✓	✓
SSH/SFTP up to 4098-bit public/private key encryption	✓	✓	✓	✓	✓
Firewall configuration	✓	✓	✓	✓	✓
Password security	✓	✓	✓	✓	✓
4-tier user access (Administrator, Device-Only, Network-Only, Read-Only)	✓	✓	✓	✓	✓
Multi-user support	✓	✓	✓	✓	✓
SMTP authentication (e-mail)	✓	✓	✓	✓	✓
HTTPS	✓	✓	✓	✓	✓
Network Time Protocol (NTP)	✓	✓	✓	✓	✓
Secure Boot	✓	✓	✓	✓	✓
Command Line Interface (CLI)	✓	✓	✓	✓	✓
Parallel UPS support	✓	✓	✓	✓	✓
Modular battery support	✓	✓	✓	✓	✓
Localized language support (Simplified Chinese, French, Russian, Spanish, German, Brazilian Portuguese, Italian, Japanese, Korean)	✓	✓	✓	✓	✓
NMC firmware update	✓	✓	✓	✓	✓

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Support added for AP9644 Network Management Card	✓	✓	✓	✓	✓
Temperature notifications and actions	✓	✓	✓	✓	✓
Optional humidity notifications and actions	✓	✓	✓	✓	✓
Local access to Web UI and CLI interfaces via micro-USB cable	✓	✓	✓	✓	✓
RADIUS	✓	✓	✓	✓	✓
Debug dump for Technical Support	✓	✓	✓	✓	✓
User configuration file	✓	✓	✓	✓	✓
Support for 802.1x (EAPoL) Protocol		✓	✓	✓	✓
Support for Secure Syslog			✓	✓	✓
SCP file transfer			✓	✓	✓
Reset NMC settings from Web UI and CLI			✓	✓	✓
Additional Logging				✓	✓
Support for Dell VxRail for PowerChute Network Shutdown v4.5, or higher					✓

Notes

- **Browser Support:** The Network Management Card 4 Web UI is compatible with the latest releases of Microsoft® Edge, Mozilla® Firefox®, and Google® Chrome®.
- **EcoStruxure IT:** Integrates with StruxureWare Data Center Expert v7.7.0 and higher/ EcoStruxure IT Expert (Gateway v1.5.3 and higher) / Mobile Insights.
- **PowerChute Network Shutdown:** Integrates with version 4.3.0 and higher. **NOTES:**
 - Parallel UPS configurations in PowerChute are supported in v4.4.0 and higher.
 - You can add up to 50 PowerChute clients via the Web UI from Galaxy VS firmware v6.72.0 and Galaxy VL firmware v7.52.3. For information on how to add more than 50 PowerChute clients to one UPS, refer to [Application Note #101](#).
- **Modbus Serial:** 2-wire and 4-wire configuration.
- **Enterprise management system compatible:** Make device information available to your preferred enterprise management system by forwarding SNMP traps (events) across SNMPv1 and SNMPv3.
- **Command Line Interface:** To access the CLI, use a remote connection (SSH over ports 22, 5000 - 32768) with a computer on the same network as the NMC, or using the micro-USB cable with internal IP (SSH over port 22).

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