Network Management Card 4 (NMC 4) Galaxy VS Firmware 6.123.0 / Galaxy VL Firmware 18.10.0/ Galaxy VXL Firmware 15.21.0 Feature List

Features	UPS Family		
	Galaxy VS	Galaxy VL	Galaxy VXL
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)	✓	✓	✓

Features	UPS Family		
	Galaxy VS	Galaxy VL	Galaxy VXL
NMC firmware update	✓	✓	✓
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	✓	✓	✓
Remote Battery self-test via Web UI and SNMP	✓		

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.
    - 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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