

Gigabit Network Management Card



Universal SNMP Monitoring for Uniti Power UPS Systems.



Overview

The UPNETG2 is Uniti Power's next-generation SNMP-based Network Management Card.

Designed to deliver secure, remote monitoring and control across all Uniti Power UPS systems, it enables users to manage power infrastructure through an intuitive web interface or via integration with standard network management tools. Built on a modern, Linux-based platform, the UPNETG2 offers advanced cybersecurity, scalable performance, and comprehensive device control.

Key Features

- ◆ **All-Range Compatibility** - Fully compatible with all Uniti Power UPS models with a network card slot. Simplifies monitoring and management across enterprise, commercial, and industrial environments.
- ◆ **Web-Based Management Interface** - Access UPS status, configuration, and logs using a secure web browser interface. No software installation required.
- ◆ **Multi-Protocol Support** - Communicates over SNMP v1/v3, Modbus TCP, MQTT, and HTTPS for seamless integration with a wide range of IT systems.
- ◆ **REST API Access** - Enables secure and flexible integration with third-party platforms and custom software environments.
- ◆ **Linux-Based Core** - Built on a robust and secure Linux operating system for high reliability and ease of maintenance.
- ◆ **Integrated Shutdown Management** - Pairs with Winpower G2 software to initiate controlled shutdowns of local and virtual servers, including VMware, IPMI, SSH, and NetApp systems.
- ◆ **Environmental Monitoring Ready** - Compatible with the optional SPYEMP sensor for temperature and humidity monitoring. Triggers alerts when readings exceed configured thresholds.
- ◆ **Advanced Cybersecurity** - Includes secure boot, encrypted firmware, role-based access, and a user-configurable firewall to meet security compliance standards.
- ◆ **SSH Access** - Provides secure command-line interface for remote diagnostics and maintenance.
- ◆ **Comprehensive Event Logging** - Captures detailed logs of UPS events, alarms, user actions, and system performance.

Technical Specifications

Function	Specification
Communication Protocols	SNMP v1/v3, Modbus TCP, MQTT, HTTPS
User Interface	Embedded web-based GUI
Security Features	TLS/SSL encryption, secure boot, SNMPv3, LDAP login, REST API, role-based access, firewall configuration
Network Ports	HTTP: 8082, HTTPS: 8081, SNMP Trap: 162, MQTT: 8883
Operating System	Linux (embedded)
Compatible OS (via Winpower G2)	Windows, Linux, macOS
Management Features	UPS and PDU discovery, alarm notifications, outlet control, battery testing, shutdown scheduling, data logging
Virtual Integration	VMware, ESXi, IPMI, SSH, NetApp
Environmental Monitoring	Temperature: 0–70°C, Humidity: 10–90% (requires SPYEMP)
Browser Compatibility	Chrome, Edge, Firefox, Safari (latest versions recommended)
Form Factor	Slot-based module (supports short and long card formats)

Optional Accessory

Model	Description
SPYEMP	Environmental sensor module for temperature and humidity monitoring. Sends alerts when thresholds are exceeded.



Applications

- ◆ Data centres
- ◆ IT and server rooms
- ◆ Industrial facilities
- ◆ Remote branch offices
- ◆ Edge computing environments