

Connectivity

ACCESSORIES

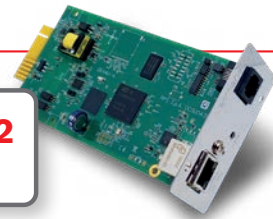
NetMan 208C

CARD - ETHERNET - SNMP

The NetMan 208C network card allows the UPS to be managed directly over a 1Gbps LAN using the main network communication protocols (TCP/IP, HTTPS, and SNMP). It offers a high level of protection against cyber threats thanks to new encryption, integrity and authentication mechanisms, suitable for today's secure connectivity requirements. It is the ideal solution for integrating UPS devices into Ethernet networks via Modbus/TCP and BACnet/IP protocols. It has been developed to integrate UPS systems into medium and large networks, ensuring a high level of reliability in secure communication between the UPS and associated management systems. It supports features such as LDAP and Active Directory user authentication and integrates with VMware ESXi and vCenter for VM and Host shutdown. Compatible with PowerShield³ and PowerNetGuard.



**IEC 62443-4-2
CERTIFIED**



FEATURES

- 32 bit dual core Arm Cortex processor;
- Secure Boot and integrity check;
- 1 Gb Ethernet - IPv4/IPv6 network supported;
- Backup and restore configuration option between NetMan 208C family cards
- Configurable firewall
- Compatible with PowerShield³ and PowerNetGuard;
- SNMP v1, v2 and v3 with RFC1628 for PowerNetGuard and NMS connection;
- SNMP v1, v2 and v3 with RFC3433 for the management of environmental sensors;
- HTTPS for UPS control via web browser;
- LDAP and Active Directory integration for centralised authentication mechanism support;
- SMTP for alarm notifications and UPS status updates via email;
- Modbus/TCP;
- BACNET/IP;
- Event and data notifications via e-mail, SYSLOG, and JSON
- Permits to initiate live migration of virtual machines (VM) to automatically and transparently migrate VMs during power disturbance to protected devices by UPS with migration systems such as VMware

and vMotion™. NetMan 208C can monitor and manage UPS either inside or outside the data center. Can also measure power consumption to help calculate power usage effectiveness (PUE), the standard metric utilized for gauging Data Center power efficiency.

- Maximum expandability;
- Events log and data management;
- Wake-on-LAN management for starting computers via TCP/IP network;
- Other standards: DHCP, 802.1x, DNS, RARP, NTP, ICMP;
- Management of environmental sensors (optional);
- Configurable via SSH sessions and web;
- Firmware upgradeable via web browser.



Environmental sensor

FOR NETMAN 208C

The NetMan 208C environmental sensors is able to monitor and record environmental conditions, as well as activities in protected areas and the area where the UPS is installed.

The environmental sensors allow management and control to be extended to cover the area around the UPS, monitoring the temperature and humidity and driving cooling fans or locks. Values are provided via Internet, SNMP and via

PowerShield³ software. PowerShield³ can be used to manage sensor operating states in order to send messages. Refer to PowerShield³ software documentation for further information. NetMan 208C can manage up to 3 separate sensors. Environmental sensors are quick to install thanks to their small footprint and they do not require a separate external power supply. Thanks to the self-learning sensors, configuration is also rapid and intuitive.



Available sensor:

-55 +60 °C Temperature 0-100% humidity Sensor and I/O digital 0-12 Vdc In, 1 A max Out at 48 Vdc Sensor.