



## NetMan 204 CARD - ETHERNET - SNMP

The NetMan 204 network card allows UPS directly connected over LAN 10/100 Mb connections to be managed using the main network communication protocols (TCP/IP, HTTP and SNMP). It is the ideal solution for the integration of UPS over Ethernet networks with Modbus/TCP or BACNET/IP protocols. It was developed to integrate UPS into medium-sized and large networks, to provide a high level of reliability in communication between the UPS and associated management systems.

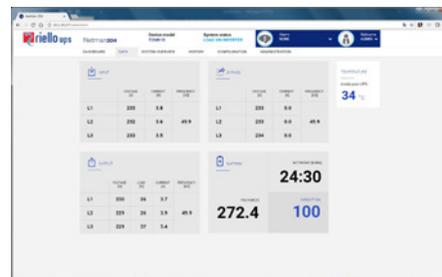


### FEATURES

- 32 bit RISC processor;
- Compatible with 10/100 Mbps Ethernet and IPv4/6 networks;
- Compatible with PowerShield<sup>3</sup> 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;
- SMTP for alarm notifications and UPS status updates via email;
- Ldap and Active Directory integration for centralised authentication mechanism support;
- 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 204 can monitor and manage UPS either inside or outside the data centre. Can also measure power consumption to help calculate power usage effectiveness (PUE), the standard metric utilized for gauging Data Centre power efficiency.

- Modbus/TCP;
- BACNET/IP;
- Maximum expandability;
- Events log and data management;
- Wake-on-LAN management for starting computers via TCP/IP network;
- Other standards: DHCP, DNS, RARP, FTP, NTP, ICMP, IGMP;
- Management of environmental sensors;
- Configurable via SSH sessions, and web;
- Firmware upgradeable via microSD and web browser
- Configurable firewall.



## Environmental sensors FOR NETMAN 204

The NetMan 204 environmental sensors are 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 PowerShield<sup>3</sup> software. PowerShield<sup>3</sup> can be used to

manage sensor operating states in order to send messages. Refer to PowerShield<sup>3</sup> software documentation for further information. NetMan 204 can manage up to 6 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.

### The following sensors are available:

- -55 +125 °C Temperature Sensor;
- -55 +125 °C Temperature and 0-100% humidity Sensor;
- -55 +125 °C Temperature and I/O digital 0-12 Vdc In, 1 A max Out at 48 Vdc Sensor.

