



RELIABLE
POWER FOR A
SUSTAINABLE
WORLD

INTERNAL COMMUNICATION

Internal Communication

2023 – 02

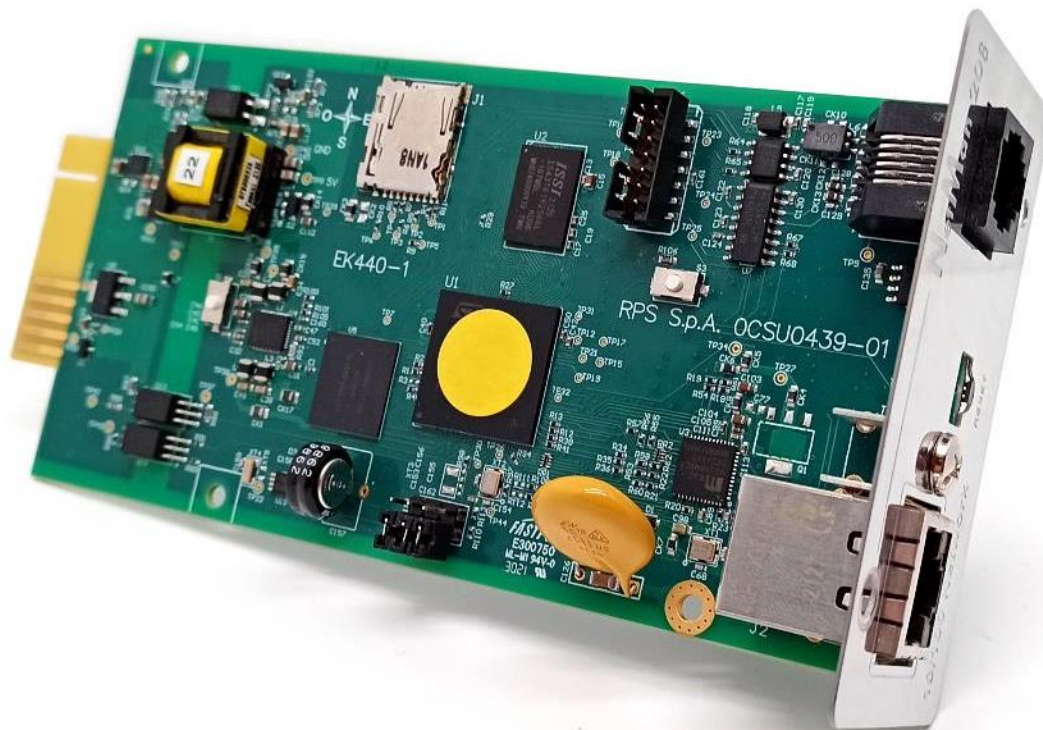
> COMPANY CONFIDENTIAL <

16/05/2023

Issued by: MKT Dept. Massimo Zampieri

PRODUCT NEWS:

NetMan 208 Gigabit Network card



Highlight

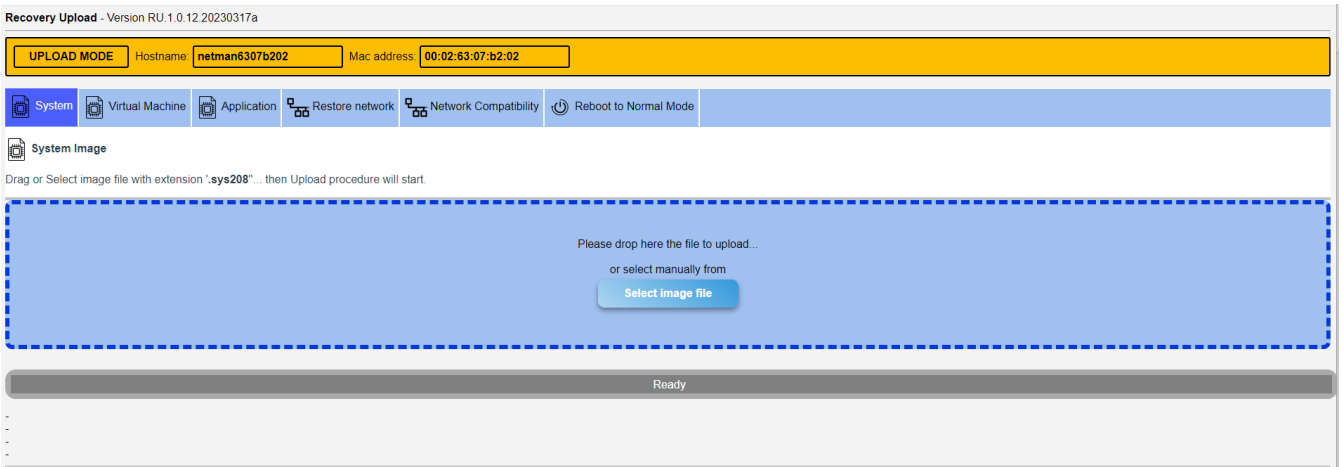
The NetMan 208 is the next generation network card that allows UPS directly connected over LAN 10/100/1000 Mb connections to be managed using the main network communication protocols (TCP/IP, HTTPS/HTTP, SNMP, Modbus/TCP, BACNET/IP).

Details:

- 32 bit RISC dual core processor;
- 8 GB of internal memory;
- Compatible with 10/100/1000 Mbps Ethernet and IPv4/6 networks;
- Operating system and firmware application upgradeable via web browser;
- IEC EN 62443-4-2 Certification planned (Q4 2023);
- Compatible with PowerShield³ and PowerNetGuard;
- IPv4 and IPv6 compliant
- SNMP (v1, v2 deprecated) and v3 with RFC1628 for PowerNetGuard and NMS connection;
- SNMP (v1, v2 deprecated) and v3 with RFC3433 for the management of environmental sensors;
- 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™ (available in Q4 2023).
- NetMan 208 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 utilised for gauging Data Center power efficiency;
- Modbus/TCP;
- BACNET/IP;
- Events log and data management;
- More powerful configurable firewall;
- Wake-on-LAN management for starting computers via TCP/IP network;
- Other supported standards: DHCP, DNS, NTP, ICMP, IGMP;
- Management of environmental sensors;
- Configurable via HTTPS sessions.

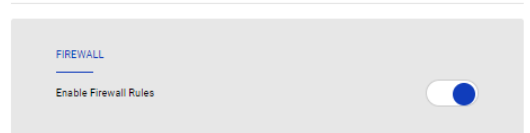
New features:

- Dual core ARM processor
- 4 times faster (compared to Netman 204 4G)
- 2 times memory size from 4 GB to 8 GB
- Designed to be certified for IEC EN 62443-4-2
- Designed for the next generation RielloConnect
- New approach for update firmware with digitally signed files, now there is a recovery boot that allow user to upgrade Application and Operating System without the microSD card.



- Complete redesigned firewall to filter all the available protocols (SNMP, UDP, HTTP etc.), IP address, sub networks and MAC address.

Firewall configuration



INCOMING Rules

	Enabled	From IP address	IP address	From MAC address	MAC address	Protocol	Po
0	<input type="checkbox"/>	Any	Any	Any	Any	UDP	Sr
1	<input checked="" type="checkbox"/>	Any	Any	Any	Any	BACNET	Ar

Default incoming rule: ACCEPT

You must test the rules before confirm...



Test temporarily the rules with immediate effect.
In case of problems due wrong rules, you can restart the Netman and last previous confirmed rules are recalled, so you can adjust rules again.

CONFIRM RULES

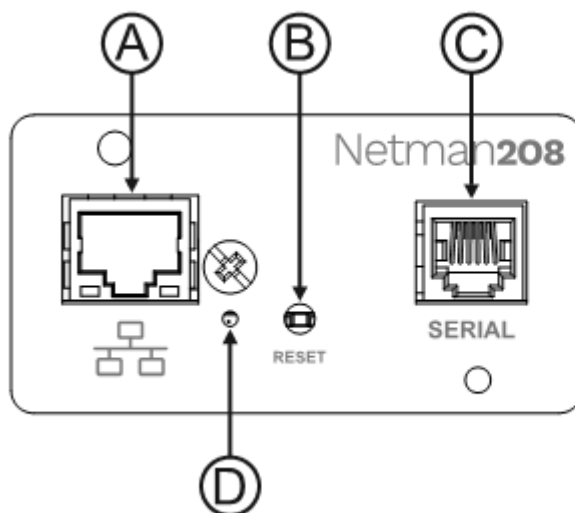
In case of correctness, you can confirm the tested rules and make them permanent and active from the next reboot.



- Designed to manage Virtualized infrastructures, supports VMware up to version 8, Syneto and Nutanix



Front Panel



- (A) Network port
- (B) Reset button
- (C) Serial port
- (D) Status led

Product Support documents

The new user's manual and firmware will be available on the public area of Riello corporate web site, At the moment documentation is still in progress.

Articles and availability

Time to Market June 2023

Code

NETMAN 208	YSKCSA8ARU
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