Matrix Network Management Card

The **Eaton® Network Management Card for Matrix** is an advanced networking card for Matrix inverter system.

The Network Management Card (NMC) provides a full suite of advanced communications options, including built-in Ethernet interface, Web server, and SNMP agent.

In addition to information available directly from the Matrix controllers, the NMC card enables alarm notifications via SNMP traps, email, or web page.

Automatic email notifications can be sent out to up to four email addresses or groups, based on events or as daily status notifications.

SNMP based traps can be sent out to up to eight NMS terminals, triggered by three alarm thresholds.

The web interface provides users with a clear view of the status of the Matrix system, including information about the Inverters, Static Transfer Switch (STS), and Controller. This includes status information as well as configuration information.

Using the web interface the user can also change settings for the inverters, STS, and controller from any location, providing a web connection is available.

Full data logs for the Inverters, STS and Controller can be accessed and download remotely as well as Event and System logs.

The NMC provides new or existing installations of Matrix inverter systems the possibility to implement advance remote communications. Furthermore integration into popular NMS systems is possible through the use of SNMP traps and the available MIB file.

Typical Applications:

- Wireless cell sites & switches
- Transmission terminals
- Local & central office switching
- Network Management Centres

Features

- Ethernet interface built-in
- SNMP agent V1, V2, V3
- Email alarm messages
- Remote Parameter Configuration
- Setup via web
- Event and Data logs

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Note: NMC pictured fitted into the Interface Module (not included)

Technical Specification

Operation

Compatibility	Matrix Controller firmware v0.08 required (i.e. controllers manufactured from November 2009 onwards)
Operating Range	Standard: -10 to +40°C [14 to 105 °F]

Communications

Interfaces

Physical	Ethernet
Software	IP, http, SMTP (email), SNMP v1/v2/v3, Telnet
Addressing	Static IP and DHCP options

User Interface

Display	None
Language	English (web page)

Information

Status	Inverters, STS, Controller
Alarms	Current alarms
Basic	Inverters, STS, Controller
Parameter Configuration	Inverters and STS

Datalogging

Event Log	200 records (web), 1000 records (extract)
Data Log	200 records, 1000 records (extract)
System Log	200 records, 1000 records (extract)
Inverter/STS/ Controller	200 records, 1000 records (extract)

Mechanical

Dimensions H,W,D	33mm, 67mm, 130mm
Mounting	INV-MC-1000 Controller based systems: fits within the Interface Module INV-MC-2000 Controller based systems: requires the updated controller shelf (INV-MCSS-1U) 730-36044-02

Part Numbers

NMC Card	730-55016-00
INV-MC-2000 Controller shelf	730-36044-02

Certifications

Europe	CE

In the interests of continual product improvement all specifications are subject to change without notice.

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Internet: www.eaton.com/dcpower
Email: dc.info@eaton.com