

CMS for RJ-45 and RJ-11 TX / RX / TP / Cat 5 Ethernet Physical Layer Automated Switch

**Mini
8 x 8**

4 ~ 8 ports (TX/RX) RJ-11/RJ-45

CMS Mini is a 8 ports physical layer matrix switch (ISO Layer 1) that allows users, through software control, to connect any of 8 input-port to any other 8 output-port providing the flexibility, reliability, and remote automated control needed to optimize any dynamic testing environment.

Revolutionary technology

CMS Mini is an **any-to-any non-blocking** connection switch based on relais-free matrix, a revolutionary technical concept

It offers a cost-effective any-to-any non-blocking connection of up-scalable input / output ports of 8 x 8 multi-pair wirelines and/or testpoints.

In addition to replacing the cumbersome, manual reconnection of lines in patches or exchanges, the centralized management system enables a fully automated process eliminating manual intervention. It can even be made customer activated, boosting profits even further.

CMS n.8 is built on state of the art technology, is field proven and in operations today with excellent transmission and line characteristics compared to MDF installation

Benefits

- Program physical cable connection with a CLI or with GUI from your computer
- Unlimited switch to any new connection
- No restrictions : Any-to-Any link is possible
- Get rid of the headache of unreliable connections
- No manual operation: fast and secure automated system
- Get an overview of all connected users
- Compact and cost-effective solution used by telecom operators
- 8 connection RJ-45 at one side, and 8 connection RJ-45 cables at other side
- easy to install 19" RJ-45 8 x 8 ports patch

Applications

- Multi-use switching for any connection
- Automate and remote patching
- Change test setups in a controlled way avoiding interconnection and cabling problems
- Provides a solution to automate cable farms at an affordable investment cost
- Create a 24/7 test lab with more efficient use of servers, test equipment, and test engineers
- Create time and confidence with reliable test set-ups for repeatable test results
- Back-up or Emergency Fall-Back matrix switch
- Non-blocking multi-port A to B position switch



Fig: standard 8 input to any 8 outputs

Features

- Any-to-any non-blocking connection system
- supports the setting of line-to-line, station-to-station as well as multipath connections on both line and station side.

Technical specifications

- 1.5 dB attenuation @ 30 Mhz
- Impedance 100 Ohm
- Crosstalk NEXT better than 60 dB@20 Mhz
- Lifetime & switching operations > 1000 per line
- Cabling: 8 (and multiples thereof) twisted pair open-end cabling or 19" patch terminated
- Connector type DIN 41612
- RJ-45 standard Ethernet
- Power :-48VDC or 220~240 VAC 50~60Hz
- Power consumption per 8 x 8 node: 5Watt
- Management Interfaces WEB based GUI for the management and CLI for automation
- CMS n.8 is bi-stable, meaning no connections are lost if the system lose power
- Physical dimensions:
19" subrack RJ-11/RJ-45 patch

Product Safety

- ETSI ES 60950

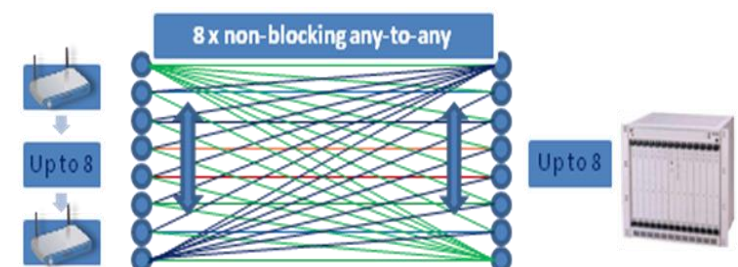
Electro Magnetic Compatibility (EMC)

- EN 300 386:2005 Class B
- 1 TR 9 Edition 09.2001
- ETSI ES 201 468 V1.2.1

Environmental Engineering

Storage conditions

- ETS 300 019-2-1 class 1.2



Contact

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