Automated Infrastructure Management (AIM)
What is Automated Infrastructure Management?

• Automatic documentation tool
• Security tool supervising patch connections
• Design and planning tool
Benefits

Automatic documentation
- Network documentation is up to date
- No forgotten information

Security and alarm device
- Unscheduled patches lead to an alarm

Design and planning tool
- Capacity status at a mouse click
- Schedule work orders
- Easier designing and planning of new networks
- Makes MAC (moves, adds and changes) easier
AIM – What the standards say

ISO/IEC 14763 demands documentation
ISO/IEC 14763-2 describes functionality and scope of AIM (Automated Infrastructure Management)
EN 50174-1:2015 Appendix F recommends an AIM system for
• networks with more than 100 outlets in office an industrial environment
• remote subsidiaries/locations
EN 50600-2-4 Chapter 10 specifies automatic documentation of data centres according to level 4
Telegärtner’s AIM solution

Intelligent Patch Management System **OWL**

- Exceptional perception even under adverse conditions
- Always in the know :-)

![Crossconnect](image)
OWL components

1. Patch panels
2. Display Rack Device
3. Software
Owl – how the components work together

RFID tag on the plug of patch cord detected by antenna on the panel.

Information collected by the Display Rack Device and sent to the central software to check, evaluate (create alarm if necessary) and update data base.
OWL components – Patch panels

- Based on Telegärtner’s proven standard patch panels
- Antennas to read RFID tags on the patch cords
- Copper panels
  - 24 ports for AMJ modules
  - 1 HU
- Fibre optic panels
  - 24 port LC duplex
  - 24 port SC duplex
  - both 1 HU
- Standard patch cords with additional RFID tags clipped on
OWL components – Display Rack Device (DRD)

- Electronics to collect the data from the panels via bus cable (up to 42 panels)
- Connects to the LAN
- Sends information to patch administration software
- Has a 2-line LCD
OWL components – Software OWL PAS

- OWL PAS (Patch Administration System)
- Uses standard browser software (e.g. Internet Explorer, Firefox, Chrome, ...)
- Licences according to network size – pay as you grow (up to 2,500, 5,000, 10,000 ports)
Installing OWL

1. Mount panels and DRD in rack/cabinet
2. Connect panels and DRD via bus cable
3. Connect DRD to the LAN and power it up
4. Enter basic configuration (OWL PAS software has to run on a server)
Retrofit

Patch Panels

- Add antenna and electronic module without service interruption (depending on the panel)

Patch Cords

- Re-use existing cords
- RFID tags can be clicked onto the cords without network interruption
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Questions?
We keep you informed

Newsletter *Telegärtner Telegramm*
White papers
Specialist articles
Fact sheets „Point of view“
Special topics
and of course personally!
Thank you very much for your attention!

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