

Newsletter 2008-7

New flexible connection technology for DS-6 systems – available immediately

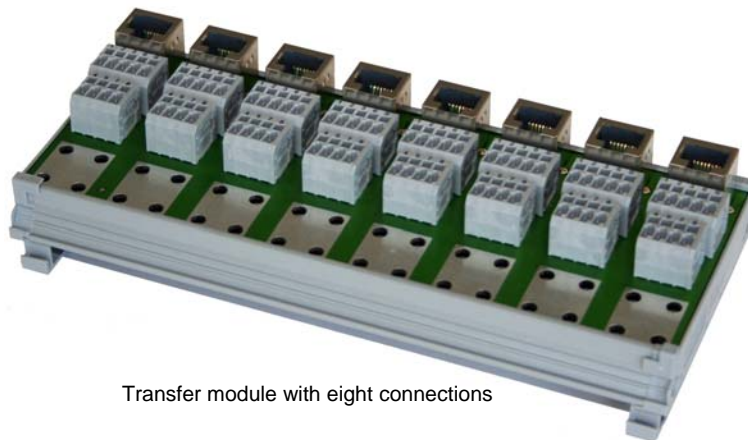
Witness a changing of the guards! So far, complex wire wrap technology has been used to connect to the interfaces of external end devices inside central switchboards. From now on, wire wrap technology will be replaced by standardized transfer modules using patch cables.

Regardless of whether your end devices are analogue or digital, our transfer modules provide all the connections you require.

These transfer modules are hardware adapters that convert standardized patch cable connections (RJ45) on feeder clips for an extended connection range (cable size).

A further connection range of 0.08 ... 1.5 mm² is provided for interconnections as well as for direct connections to call stations.

One transfer module contains eight „RJ45“ slots and thus eight feeder clips.



Transfer module with eight connections



Panel backplanes using patch cables



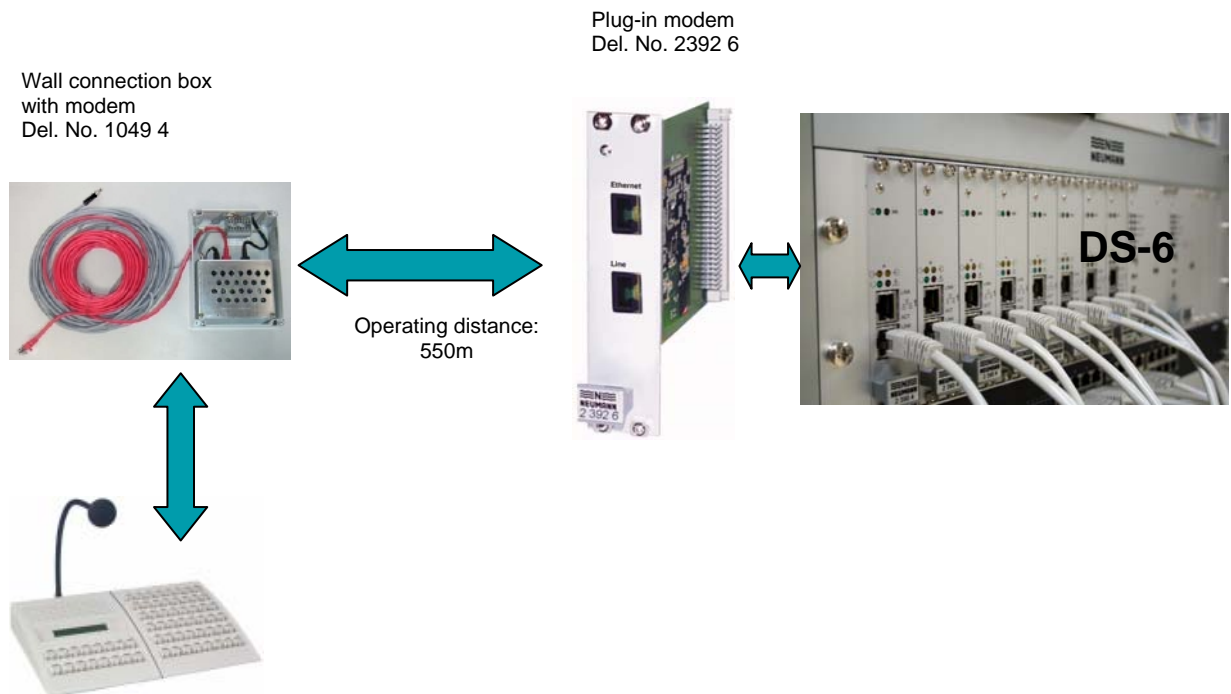
Panel transfer modules to end devices

Modems increase operating distance for digital DS-6 interior call stations

In IP systems, the operating distance from end device to hub is limited to a maximum of 90 metres, which in most cases is not sufficient. However, this distance can be extended by using special modems. For example, if you use DSL modems with copper wire transmission, you can achieve a distance of 550 metres (0,6mmØ, 12 Mbit/s).

The modems are linked by [shielded] Twisted Pair cables.

These modems are used in the following diagram.



Needless to say, you can also use [fibre transmission lines] with the appropriate IP plug-in modules for larger distances. The operating distance is subject to the mode of transmission (several kilometres).



Information about our new products

We conduct information sessions at regular intervals.

Our next German-language information session is scheduled for November 25, 2008.

We would be happy to welcome you in our offices for this event.

A special invitation will be sent to you shortly.

We would also be pleased to conduct an information session in your company. If interested, please contact Mr. Ripholz under +49 (0)208 5995 294.

E-mail: bripholz@neumann-elektronik.com.

Our topics:

- **Corporate strategy**
- **Surplus value of IP system technology in standardized transmission networks**
- **IP-based intercom technology with decentralized systems and high voice bandwidth**
- **Emergency calls and information using centralized IP systems**
- **A presentation of our new system technology.**