DuplexKoppler

SAN Services from MEN@NET: fast-acting, secure, highly-performant

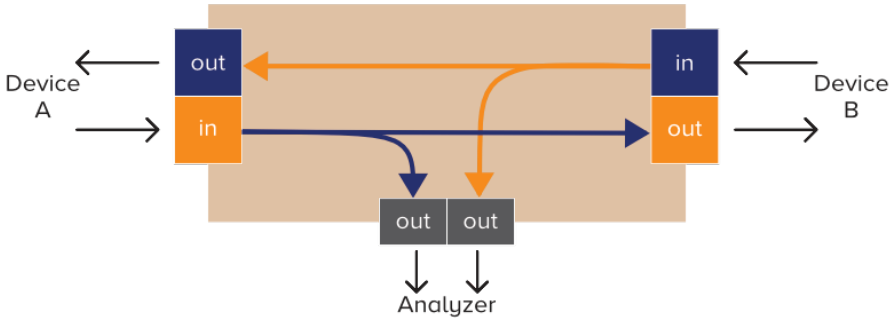
The advantages of a Storage Area Network (SAN) are obvious: Efficiency, flexibility, speed and above all disaster tolerance are key factors. Certainly, all network components should be compatible and communicate error-free with each other. The compatibility of different original equipment manufacturers (OEM) equipment is usually an issue before an upcoming expansion of the network. Nevertheless the performance of the SAN should be guaranteed, too. And that is where we come in.

The company specialises in network and performance management of high-speed data networks. We provide a comprehensive product portfolio for your SAN. We have developed our own monitoring software SAN RM and offer services, training, workshops as well as measurement and analysis equipment from popular vendors. Since 1999 we have been your reliable partner in this sector.

MEN@NET DuplexKoppler

IT networks connect people with information, cities with each other, computers with mass storage devices. One thing is clear: IT networks are important! Networks are becoming more and more complex. Therefore IT networks must be constantly monitored. At the very latest in the case of an error, access to the IT network connections is necessary in real time. For this you need a Test Access Point (TAP),a MEN@NET DuplexCoupler.

Our duplex couplers can be used with any analysis tools, such as intrusion detection systems (IDS), protocol analysers or monitoring probe. Independent of the topology, they enable the analysis of physical problems for



1 | 2,5 | 10 | 25 | 40 | 100 Gigabit Ethernet (GigE) or
1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 Gigabit Fibre Channel (GFC).

In fibre optic connections, duplex couplers are used to out-couple the light and thus also the data. Decoupling is full-duplex, this means, it is for forward and reverse direction. If duplex couplers are used in data centres, high port density and functional handling are decisive criteria. This is why MEN@NET offers the duplex couplers in mobile and modular design.

MEN@NET EQUIPMENT

DuplexKoppler

Technical Specification

DuplexKoppler mobile

Dimensions of housing: 150 mm (D) x 55 mm (W) x 30 mm (H)
Connections: SC-Duplex

model	number of links	maximum speed of light	type of fibre	wavelength	split-ratio	maximum insertion loss
DK5S5P1S	1	100 Gbit/s	50/125µm OM4	850nm	50/50	4 dB
DK9D5P1S	1	100 Gbit/s	9/125µm OS2	1310/1550nm	50/50	4 dB
DK9D9P1S	1	100 Gbit/s	9/125µm OS2	1310/1550nm	90/10	1,5 dB
DK9A5PIS *	1	100 Gbit/s	9/125µm OS2	1260-1620nm	50/50	4 dB

DuplexKoppler modular

Dimensions of housing: 320 mm (D) x 445 mm (W) x 45 mm (H)
Connections: LC-Duplex

model	number of links	maximum speed of light	type of fibre	wavelength	split-ratio	maximum insertion loss
DK5S5M08	8	100 Gbit/s	50/125µm OM4	850nm	50/50	4 dB
DK9D5M08	8	100 Gbit/s	9/125µm OS2	1310/1550nm	50/50	4 dB
DK9A5M08 *	8	100 Gbit/s	9/125µm OS2	1260-1620nm	50/50	4 dB

* ready for DWDM-Connections (Dense Wavelength Division Multiplexing)

Individual split-ratio, circuitry and other package types on request.

The advantages of MEN@NET DuplexKoppler

- Uninterruptible insertion of monitoring and analysis tools
- Non-reactive access to the complete network traffic
- Monitoring and analysis of physical errors
- Display of the entire data traffic including errors and time correlation
- Support of all topologies with up to 100 GigE or 128 GFC
- Extended functionality against "Port Mirroring"

Our choice of analysis and maintenance tools for your network

DuplexKoppler — Permanent, non-reactive analysis points for emergencies

Protocol analyser — Tool to record, filter and analyse data packets.

Beside MEN@NET DuplexKoppler or Protocol analyser we offer further tools for the maintenance and care of your network, depending on the application, for example network emulators or cleaning sets.

We make performance happen

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