

Product Overview

Gigabit Multimode Extender



Description

Gigabit Extender enables Gigabit transmissions via multimode optic fiber of up to two kilometers. MICROSENS expands its Enterprise Access product range by a Gigabit Extender for multimode fiber optic transmissions.

Many existing backbone links are based on multimode fiber optics, enabling transmission distances of up to two kilometers between individual switches and nodes and using standards such as Fast Ethernet, FDDI or ATM. The adverse characteristics of multimode fiber optics, due to mode dispersion, severely limit their use especially with high data volumes in the Gigabit range.

For example, the distance achievable via 50/125 μm multimode fibers in a Gigabit Ethernet in accordance with the 1000Base-SX standard is reduced to 550 meters and via 62.5/125 μm multimode fibers to as little as 275 meters. In order to overcome this, and to enable the use of multimode backbone structures for Gigabit bandwidths, MICROSENS offers a Gigabit Extender for the transmission of Gigabit applications via existing multimode links over distances of up to two kilometers. This enables the easy and cost-effective migration of multimode-based backbones to future Gigabit applications. Existing multimode fibers need not be replaced with single mode fibers. Deployment of the device is not limited to Gigabit Ethernet (1.25 Gbit/s).

Other applications such as Gigabit Fibre Channel (1.0625 Gbit/s) can also be transmitted. The new Gigabit Extender complements the broad range of

Properties

- Easy extension of transmission distance for Gigabit up to 2 km for multimode fiber
- Migration to Gigabit without changing of fiber type
- Fits into all different chassis types
- Manageable via MICROSENS NMP- Platform
- Plug & Play installation

functionality modules supplied by MICROSENS for installation in modular card systems. In addition to single and dual desktop cabinets, a 19" chassis capable of housing up to 12 inserts is available.

With a multiport chassis the extender can be used in any combination with all other inserts of the same series and, as an option, it can be integrated in existing SNMP or web-based management.

Order Information

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Article Number

Gigabit Multimode Extender 850 nm / 1300 nm

MS416651

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