

## Optical Module GMII



### Overview

The gigabit media-independent interface (GMII) is an interface between the medium access control (MAC) device and the physical layer (PHY). The interface operates at speeds up to 1000 Mbit/s, implemented using a data interface clocked at 125 MHz with separate eight-bit data paths for receive and transmit, and is backwards compatible with the MII specification and can operate on full. OverviewThe media-independent interface (MII) was originally defined as a standard interface to connect a (i.e., 100 Mbit/s) (MAC) block to a PHY. The MII is standardized by IEEE 802.3. The standard MII features a small set of registers: • Basic Mode Configuration (#0)• Status Word (#1)• PHY Identifier (#2, #3). Reduced media-independent interface (RMII) is a standard which was developed to reduce the number of signals required to connect a PHY to a MAC. This helps reduce cost and complexity for network hardware.

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The SGMII module provides an SGMII that facilitates a connection between any IEEE 802.3 standard GMII or MII interface and an SGMII interface that is compliant with version 1.7 of the SGMII ...



Gigabit media-independent interface The gigabit media-independent interface (GMII) is an interface between the medium access control (MAC) device and the physical layer (PHY).



This detailed manual looks at optical transceivers in-depth, particularly focusing on SGMII (Serial Gigabit Media Independent Interface) and SFP (Small Form-factor Pluggable) modules and ...



An SGMII SFP transceiver is a specialized optical or copper module that integrates an SGMII-compliant electrical interface within the standard SFP ...



MODULETEK: SFP-SGMII-GE-100FX-D12 100M 1310nm Multi Mode SFP Optical Transceiver for SGMII port Overview ModuleTek's SF. -SGMII-GE-100FX-D12 100Mb/s optical transceiver is used with ...



## Contact Us

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