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Tahoe VT6103F/L/X PHY-ceiver



The VT6103F/L/X is a Physical Layer device for Ethernet 10BASE-T and 100BASE-TX using category 5 Unshielded, Type 1 Shielded, and Fiber Optic cables. This VLSI device is designed for easy implementation of 10 / 100 Mbps Fast Ethernet LANs. It interfaces to a MAC through an MII interface ensuring interoperability between products from different vendors.

Key Features

- » Single Chip 100Base-TX/10Base-T Physical Layer solution
- » Dual Speed – 100/10 Mbps
- » Half And Full Duplex
- » MII Interface to Ethernet Controller
- » Optional Repeater Interface
- » Auto Negotiation : 10/100 Mbps, Full/Half Duplex
- » Compliant with IEEE 802.3, 10Base-T and 100Base-Tx Standards
- » On Chip Wave Shaping – No External Filters Required
- » Adaptive Equalizer
- » Fiber Mode Support (VT6103F only)
- » Auto Power Saving (VT6103F excluded)
- » Auto Crossover (VT6103X only)
- » Baseline Wander Correction
- » LED Outputs
 - Link Status
 - Duplex status
 - Speed Status
 - Collision



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