Intel® LXT986x/988x

Dual-Speed Repeater Family

Product Description

Today's work groups demand higher-speed connectivity at lower cost. Intel, a leading provider of Ethernet communications silicon, advances dual-speed repeater market segment growth by offering the Intel® LXT986x/988x family of low-cost, dual-speed repeater solutions.

The LXT986x/988x architecture reduces total system cost of shared 10/100Mbps connectivity. Vendors can offer repeater products at a price less than that of low-end switches. For the same bill-of-material (BOM) cost as a switch, manufacturers can now have a fully managed hub.

The Intel solution is not burdened with a bridge, enabling lower system cost and power consumption. This solution allows a broad spectrum of platforms—from eight-port unmanaged standalones to 24-port managed stackable repeaters. 3.3V/5V-tolerant technology provides backward stackability to legacy 10Mbps and 10/100Mbps products.

The Intel LXT986x/988x family further reduces cost by providing two MII ports that enable glueless bridging. 3.3V/5V-tolerant technology allows system designers to reuse already qualified 5V bridge and backplane solutions.

A Serial Management Interface (SMI) provides easy access to repeater MIB variables, RMON statistics, as well as status and control. The significant per-port power reduction offered by the LXT986x/988x can eliminate the fans required by higher power solutions.

Product Identifier	TP Port	Management
LXT9880	8	Managed
LXT9883	8	Unmanaged
LXT9860	6	Managed
LXT9863	6	Unmanaged

Packaging

The LXT986x/988x is available in:

- 208-pin Quad Flat Package (QFP)
- Commercial temperature range (0ºC to +70ºC)

Applications

Applications for the LXT986x/988x family include low-power, dual-speed network applications:

- Managed stackable hubs
- Low-cost, unmanaged standalone hubs
- Low-cost, Ethernet connectivity

Intel® Internet Exchange Architecture

Intel® Internet Exchange Architecture is an end-to-end family of high-performance, flexible and scalable hardware and software development building blocks designed to meet the growing performance requirements of today's networks. Based on programmable silicon and software building blocks, Intel® IXA solutions enable faster development, more cost-effective deployment and future upgradability of network and communications systems.

Intel® Internet Exchange Architecture

www.intel.com/design/network

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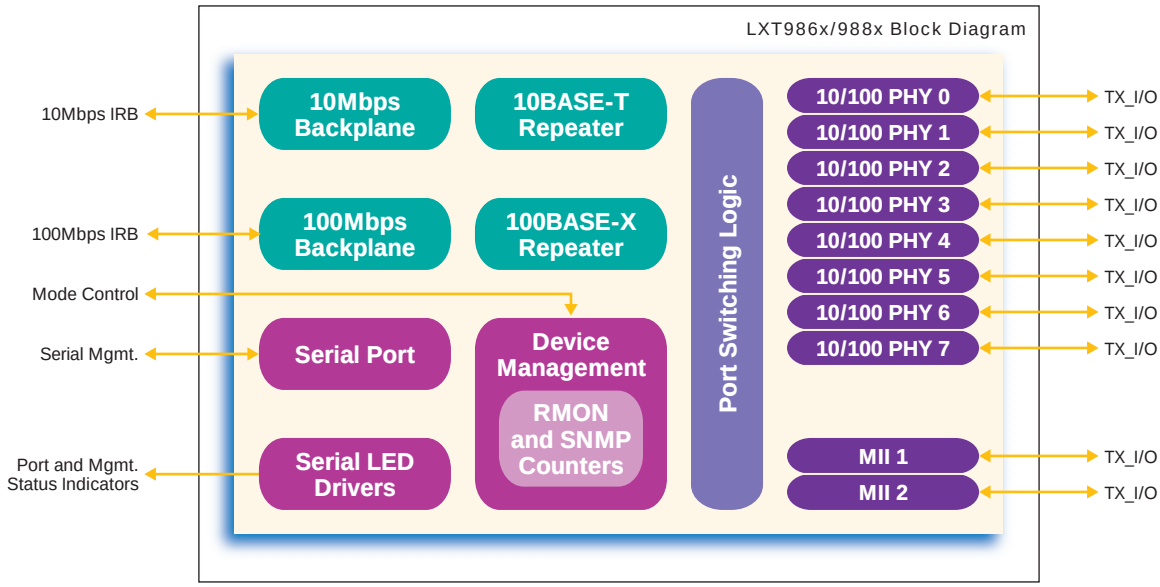

Features

Benefits

Features	Benefits
■ Backward stackable with previous generation 5V systems	■ Reduces product migration risk
■ Two 10/100Mbps MIIs	■ Reduce system cost with glueless bridging
■ 3.4W peak power, 3.3V operation	■ Provide lower power consumption so a fan may not be necessary
■ High-speed Serial Management Interface	■ Provides full RMON/SNMP status and control
■ Choice of eight (LXT988x) or six (LXT986x) 10/100Mbps TP ports	■ Offers twice the TP ports in the same package as the LXT980
■ Independent 10Mbps and 100Mbps repeater engines	■ Provide dual-speed capability

Intel Access

Developer's Site	http://developer.intel.com
Intel Internet Exchange Architecture Home Page	http://www.intel.com/IXA
Networking Components Home Page	http://developer.intel.com/design/network
Other Intel Support: Intel Literature Center	http://developer.intel.com/design/litcentr (800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
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