

Denmark Multi-Parallel Optical Module



Overview

IPtronics was a fabless semiconductor company headquartered in Copenhagen, Denmark. Its products include integrated circuits for parallel optical interconnect applications intended for the computer, storage and communication industries. IPtronics' design center is certified by STMicroelectronics, which is also their semiconductor foundry partner. In June 2013, IPtronics was acquired by Mellanox. Founded (September 2003) Headquarters Products Low-Power Single- & Multi-Channel Broadband Transimpedance Amplifiers (TIA) and VCSEL Drivers for Optical Data Communication Applications Parent History IPtronics was founded in 2003 and built up by former directors, managers and engineers from Giga A/S, which was acquired by Intel in 2000 for US\$1.25 billion. On June 4, 2013, it was announced. This technology enables parallel optical interconnect systems that computer manufacturers have begun to adopt in order to overcome the physical constraints from using copper-based connections over high speed interf.



Article Content

Hot

Parallel Optic Modules: High-Speed Data Transmission Explained

The deployment of parallel optics brings significant benefits in terms of power efficiency and cost. Transmitting data at lower rates per lane requires less sophisticated and less power-hungry

Mar 31, 2026 Hot

IPtronics

IPtronics was a fabless semiconductor company headquartered in Copenhagen, Denmark. Its products include integrated circuits for parallel optical interconnect applications intended for the computer,

Aug 12, 2025 Hot

Multi-channel optical coupling between VCSEL arrays and multimode ...

We have successfully developed some new assembly techniques for the prototype ParaBIT module to provide the efficient and uniform multi-channel optical coupling between

Dec 29, 2025 Hot

86115D Multi-Port Plug-In Module for High

Dramatically reduce the cost of test with high throughput test configurations Two or four 20 GHz optical ports or two 34 GHz optical ports for high volume or parallel

Oct 05, 2025 Hot

Parallel Optical Transceivers & AOC - CablesTEC

Note: Parallel high-speed optical modules are transmitted through multiple parallel optical fibers, each optical fiber independently carries a single-channel optical

Feb 10, 2026 Hot

Parallel Optic Technology

Parallel Optic Technology Parallel optic interfaces (POIs) are a fiber optic technology primarily targeted for short-reach multimode fiber systems (less than 300 meters) that operate at data rates greater

Jan 14, 2026 Hot

Parallel Optics for Embedded System

Parallel optics – The embedded leap for C4ISR Parallel optics provides multiple high bandwidth interconnects in a space ten times smaller than co-axial copper

Jul 14, 2025 Hot

Parallel Optical Transceivers & AOC – CablesTEC

CablesTEC's parallel high-speed optical modules use mature optical components and manufacturing processes, and have great low-cost advantages compared

Feb 16, 2026 Hot

POB24 Series Parallel Optical Transceiver Module

The POB24 series parallel optical transceiver module is designed for defense communication command systems and subsystems, enabling bidirectional conversion between multi-channel electrical and

May 17, 2026 Hot

Parallel Optics: MTP®/MPO cabling systems on the

By optimally utilizing fibers with Parallel Optics applications, channel attenuation, installation costs and data center space can significantly be reduced.

Mar 30, 2026 Hot

JFOPT QSFP28 100G PSM4 Optical Module | 2km MPO High

This QSFP28 PSM4 module delivers 104Gbps over 2km via quad 26Gbps channels. Featuring 1310nm DFB laser arrays and MPO connectivity, it maximizes port density while reducing TCO for 100G

Aug 05, 2025 Hot

Denmark Multi-mode Pump Module Set Market: A Comprehensive

Denmark Multi-mode Pump Module Set Market was valued at USD 1.5 Billion in 2022 and is projected to reach USD 2.

Jan 07, 2026 Hot

Multi-channel parallel optical communication module and optical ...

Abstract A multi-channel parallel optical communication module includes a casing having an airtight cavity, an optical communication assembly accommodated in the airtight cavity, and a temperature

Oct 07, 2025 Hot

BBT fiberoptic ApS

BBT fiberoptic er en førende importvirksomhed inden for bl.a. fiberoptik, optiske komponenter samt fiberoptisk måleudstyr til det danske marked.

Mar 25, 2026 Hot

The Danes Build the Next Generation Modular Ship: The

With the modules being built around the standard 20- and 40-foot container dimensions, Mikkelsen argued that Denmark along with e.g. its Nordic

Feb 09, 2026 Hot

Applications for Embedded Optic Modules in Data Communications

/O performance between racks in multi-chassis configurations. Today, with the ever increasing demand for data and bandwidth, embedded parallel optics from Avago Technologies have become the

Nov 23, 2025 Hot

Optical Components and Modules

Everything you need to build an optical network from end-to-end. Thin-film filter and PLC based AWG for multiplexing, a full suite of components for optical

Feb 10, 2026 Hot

Parallel Optics and WDM Optics in High-speed Optical Modules

Parallel optical solutions are particularly cost-effective for short- to medium-distance transmissions, whereas WDM solutions are more advantageous for long-distance transmissions as

Mar 27, 2026 Hot

Optical Components | Produkter | KYOCERA Denmark

Our manufacturing process ensures quality in lens element design and lens processing through stringent checks, mechanical component fabrication, optical assembly and inspection.

Oct 15, 2025 Hot

Multi-channel parallel optical transceiver module

The present disclosure provides a multi-channel parallel optical transceiver module. The disclosed optical transceiver module/device may include a shell body and a circuit board located in the shell

Feb 10, 2026 Hot

Parallel Optics, MPO/MTP, and the Future of High

The Bandwidth ChallengeHyperscale data centers and AI clusters are pushing optical infrastructure to its limits. Traditional single-lane optical

Oct 02, 2025 Hot

240902 QSFP28 100G SWDM4 optical module

The QSFP28 100G SWDM4 optical module multiplexes optical signals of 4 different wavelengths (850nm, 880nm, 910nm and 940nm) to a link for transmission, using two parallel fibers,

Aug 13, 2025 Hot

Parallel Optic Technology

Parallel Optic Technology Parallel optics is a fiber optic technology primarily targeted for high-data, short-reach multimode fiber systems that are typically less than 150 meters. Parallel optics differs

Jan 15, 2026 Hot

Laser diode array module for parallel optical interconnection

An 8-channel optical interconnection laser diode (LD) array module, which is a receptacle type with an multi-fibre push-on (MPO) adapter, was successfully fabricated. In consequence of adapting a

May 29, 2026 Hot

Parallel Optics

POIs differ from traditional fiber optic communication in that data is simultaneously transmitted over multiple optical fibers and received over multiple optical fibers.

Jan 14, 2026

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