SMIC and Optical Modules



Overview

Two key standards have shaped this field: SFF-8636, which defined the management interface for early QSFP modules, and CMIS (Common Management Interface Specification), designed for next-generation high-speed transceivers. SMIC is headquartered in Shanghai and incorporated in the Cayman Islands. It has wafer fabrication sites throughout mainland China, offices in the United States, Italy, Japan, and Taiwan, and a representative office in Hong Kong. 7% sequentially; gross margin was 20. 2% year-over-year to US$9,327 million. In the fourth quarter, the Company's revenue was 2,489 million, a sequential increase of 4. In the third. The OIF is an international nonprofit organization with over 150 member companies, including the world's lead-ing carriers and vendors. Being an industry group uniting representatives of the data and optical worlds, OIF's purpose is to accelerate the deployment of interoperable, cost-effective and. Synopsys, Inc. (NASDAQ: SNPS), the world leader in semiconductor design software, today announced the adoption of its Proteus™ optical proximity correction (OPC) software at Semiconductor Manufacturing International Corporation (SMIC) for production at the 130 nanometer (nm) process.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Article Content

Semiconductor Manufacturing International Corporation

SMIC was founded on April 3, 2000, and is headquartered in Shanghai. It was incorporated in the Cayman Islands as a limited liability company. It quickly built a fully owned plant in Shanghai, acquired a Motorola plant in Tianjin, and then began to build a fully owned plant in Beijing. SMIC also became involved in two projects in Chengdu and Wuhan, which reversed a common pattern in Chinese development of government building, operating, then transferring industrial projects, such that SMIC o

White Paper: Management of Smart Optical Modules

For smart optical modules as defined in this white paper, the new paradigm proposes utilization of a high speed, packet-based management channel between module and remote

SMIC Adopts Synopsys'' Proteus OPC Software for 130 Nanometer Node

Synopsys, Inc. (NASDAQ: SNPS), the world leader in semiconductor design software, today announced the adoption of its Proteus™ optical proximity correction (OPC) software at Semiconductor

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

STMicroelectronics Enhances Optical Interconnects for

STMicroelectronics, a global semiconductor leader serving customers across the spectrum of electronics applications, is unveiling its next

SFF-8636 vs. CMIS: Evolution of Management

The transition from SFF-8636 to CMIS marks an important step in the evolution of optical module management interfaces. While SFF-8636 remains

Enabling Higher Data Rates for Optical Modules With Small and

This paper demonstrates switching DC/DC buck converter and data-converter designs optimized for optical modules where thermal limitations and space constraints are the most important factors.

SMIC-Financials

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Note: The Company started to prepare consolidated financial statements in accordance with International Financial Reporting Standards (“IFRS”) in SMIC''s 2012 Annual Report and First Quarter

The Evolution of Optical Modules: Powering the Future

Enter optical modules, which leverage the power of light to transmit data efficiently over long distances, driving the next generation of technological

Understanding Optical Modules: Working Principles,

Explore the working principles, structures, and performance metrics of optical modules, essential components of optical fiber communication

SMIC-Company Information

Management Team Liu Xunfeng Chairman Learn More Zhao Haijun Co-Chief Executive Officer Learn More Liang Mong Song Co-Chief Executive Officer Learn More Guo Guangli Senior Vice President,

Silicon Photonics in Pluggable Optics White Paper

Example of a silicon photonics based 100-Gbps optical module Benefits of silicon photonics Manufacturing efficiency and automation Reduction

What types of optical modules are there?

XFP optical module is a small plug-in optical module. The full name of XFP is 10 Gigabit Small Form Factor Pluggable. Compared with previous 10G optical

Semiconductor Manufacturing International Corporation

Semiconductor Manufacturing International Corporation (SMIC) is a partially state-owned publicly listed Chinese pure-play semiconductor foundry company. It is

SMIC-Vendor Management

SMIC has established a sound supplier management system to manage the key links of the supply chain, including provisions about supplier admittance, supplier evaluation and supplier improvement,

SMIC-About SMIC

SMIC Group provides semiconductor foundry and technology services to global customers on 8-inch and 12-inch wafers. Headquartered in Shanghai, China, SMIC Group has an international

Presentation

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Increasing module complexity (DSP, FEC, Coherent, Firmware, etc) More stuff to configure, initialize and monitor Again, more coordination between host and module (different initialization times) Firmware

GBIC Modules

» Products » Optical Modules » GBIC Modules GBIC Modules Gigabit Interface Converter Modules We offer a small choice of standard GBIC modules as a

Additional source notes

SMIC was founded on April 3, 2000, and is headquartered in Shanghai. It was incorporated in the Cayman Islands as a limited liability company. It quickly built a fully owned plant in Shanghai, acquired a Motorola plant in Tianjin, and then began to build a fully owned plant in Beijing. SMIC also became involved in two projects in Chengdu and Wuhan, which reversed a common pattern in Chinese development of government building, operating, then transferring industrial projects, such that SMIC o…

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved