

Industrial Wireless Optical Module Models



AI Overview

Industrial wireless and optical modules provide robust connectivity for harsh environments, supporting Wi-Fi, LoRaWAN, NearFi, and optical transceivers with extended temperature ranges and high reliability. Industrial Wireless Modules Phoenix Contact offers a range of industrial wireless solutions suitable for real-time and long-distance communication :IWLAN / Wi-Fi 6/6E Modules: WLAN 2300 access points and WLAN 1000 clients support high device density, real-time communication, and operate in 2.4 GHz, 5 GHz, and 6 GHz bands. They feature IP66/68 protection and operate from -30°C to +60°C. Radioline 900 MHz Transceivers: RS-232/485 interface, extendable with I/O modules, supporting point-to-point, star, and mesh networks up to 250 stations with a line-of-sight range of 32 km. Radioline I/O Extension Modules: Include analog inputs/outputs (0/4–20 mA, 0–10 V), digital inputs/outputs (0–250 V AC/DC), and relay outputs (5 A, 250 V AC/DC). LoRaWAN Devices: Soil moisture sensors (IP67) for environmental monitoring, transmitting data via LoRaWAN gateways. NearFi Couplers: Enable contactless power (up to 100 W) and real-time Ethernet data (100 Mbps full duplex) across air gaps up to 100 mm, suitable for applications with vibration, dust, or movement constraints. These modules are designed for industrial automation, environmental monitoring, and OEM integration, providing secure, reliable, and maintenance-free wireless connectivity. Industrial Optical Modules Siemens OLM (Optical Link Modules) and FS Industrial Transceivers provide optical connectivity for industrial networks :FS Industrial Transceivers: Support 10G/25G/100G connectivity with an operating temperature range of -40°C to 85°C, suitable for harsh environments such as telecom, data processing, and industrial automation. Siemens OLM Modules: Designed for industrial applications, compatible with LOGO! Soft Comfort software, and support integration with Windows and Linux systems for monitoring and control. These optical modules are ideal for h...

Article Content

Coherent Market Insights: Market Research and B2B

Coherent Market Insights provides Market Research, Customized Research, Business Intelligence, B2B Consulting, and Advisory Services to clients worldwide.

OLM optical link module

Siemens Industry Catalog - Automation technology - Industrial communication - PROFIBUS - Network components for PROFIBUS - Optical networks with OLM - OLM optical link module

An Object-Oriented Approach to Subsidence Management

3rd, Canadian conference on computing in civil and building engineering ; 1996 ; Montreal, Canada

Intelligent Power and Sensing Technologies | onsemi

The leader in intelligent power and image sensing technologies that build a better future for the automotive, industrial, cloud, medical, and IoT markets

Support Documents and Downloads

Search technical documentation and downloads including firmware and drivers.

Cisco Industrial Wireless

Use our wireless technologies to connect cameras and laptops outdoors, robots and automated guided vehicles (AGVs) in manufacturing, teleremote applications in

Industrial Wireless | Phoenix Contact

Industrial Wireless enables secure and reliable wireless connections for industrial applications. Depending on requirements, use IWLAN or Bluetooth for real-time

WORLD WIDE WEB JOURNAL Home

By clicking download, will open to start the export process. The process may take but once it finishes a file will be downloadable from your browser. You may continue to browse the DL while the export

Cisco Compatible Optical Modules Catalog

This document serves as the definitive technical reference for the Cisco Compatible Optical Modules Catalog, encompassing a comprehensive portfolio of Small Form-Factor ...

Global Wireless Optical Module Supply, Demand and Key Producers,

This process consists of gathering data, accessing proprietary databases, and reaching out to key industry participants that operate in the market across the value chain.

TE's Industrial Technology Index 2026

TE's Industrial Technology Index 2026 Our report found businesses are prioritizing financial goals over product innovation. This pivot toward the bottom line could

optical devices and wireless devices | Sumitomo Electric

The portfolio includes semiconductor lasers and photodiodes for optical transceiver modules and board level design, as well as wavelength-tunable lasers and

Panasonic Industry Europe GmbH | Industry Sector

As power electronics advance-particularly within automotive, industrial, and high efficiency power conversion systems-the industry's focus has shifted toward

Semiconductor & System Solutions | Infineon Technologies

Infineon Semiconductor & System Solutions - MCUs, sensors, automotive & power management ICs, memories, USB, Bluetooth, WiFi, LED drivers, radiation h

Industrial optical modules | TI

Industrial optical modules 23 of 23 total products Optical module model number Illumination wavelength Illumination light source DMD Part number

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

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.

DwyerOmega | Shop for Sensing, Monitoring and

Explore DwyerOmega's comprehensive range of industrial sensing, monitoring, and control solutions from thermocouples to pressure transducers engineered for

Cisco Networking for Service Providers

Find the scalable network infrastructure and software solutions to address your challenges with Cisco Networking for service providers.

Wireless Connectivity Products & Solutions | Panasonic

The Panasonic RF Module and Evaluation Kit portfolios cover all current communication protocols with ready-to-use RF Module devices for Bluetooth®,

Full text of "NEW"

Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it he is was for - with) on (? his as this ; be at but not have had from will are they -- ! all by if him one your or up her there

IEC homepage

IEC everywhere for a safer and more efficient world. The IEC is a global, not-for-profit membership organization that brings together more than 170 countries and

Optical Modules Enabling Smart Industry 4.0 Networks: From 1G to

In this blog, we explore the role of optical modules in Smart Industrial 4.0 networks, highlight key technical requirements, and show how three representative modules from LINK-PP

Industrial Optical Transceivers | Transceiver Modules

With an operating temperature range of -40°C to 85°C, FS industrial transceiver solutions offer 10G/25G/100G connectivity for harsh industrial environments,

Optical Wireless Communication | Springer Nature Link

Optical wireless communication is an emerging wireless communication technology, which has faster transmission speed, higher bandwidth, and lower power consumption compared with

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sphplantsales.co.za>

Email: info@sphplantsales.co.za

Phone: +27 64 827 3915

Address: Unit 9, Highveld Technopark, 43 Atlas Road, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

