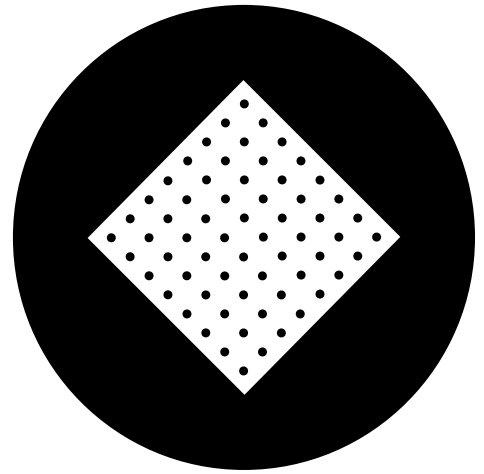
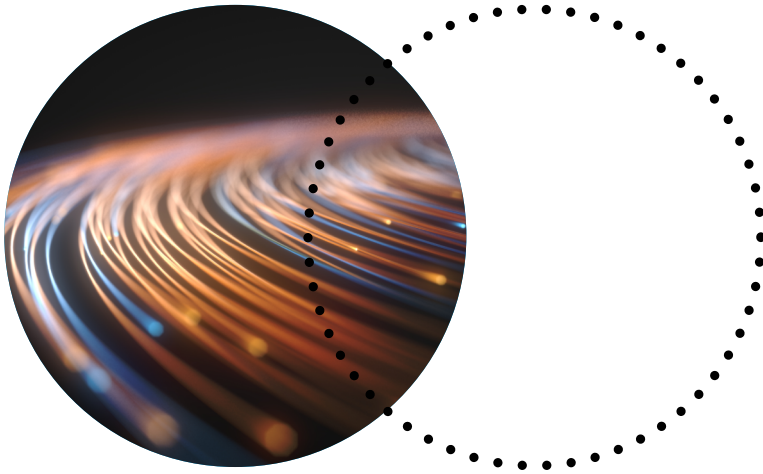




COHERENT MODULES

Finisar® Transceivers & Cables
DCI & Telecom Transceivers

POWERING EVERY CONNECTION, FROM DATACENTER TO LONG-HAUL

The rapid growth of AI, cloud infrastructure and high-capacity networks is driving unprecedented demand for scalable, high-performance optical interconnect solutions. From hyperscale datacenters to metro, long haul and ultra-long haul networks, optical connectivity is critical to delivering bandwidth, efficiency and reliability.

Coherent offers the industry's broadest portfolio of transceivers and optical cables, supporting a wide range of applications across datacom, datacenter interconnect (DCI) and telecom networks.

OUR SOLUTIONS INCLUDE :

- Pluggable Optical Transceivers:
 - Across all major form factors
- CPO & NPO enabling technologies:
 - Photonlink™ integrated optics platform for AI datacenter connectivity
- Cables for AI and Datacenter Networks:
 - Active Optical Cables (AOCs), Direct Attached Cables (DACs), Active Electrical Cables (AECs), Active Copper Cables (ACCs)
 - high speed, reliable and easy to deploy

BROAD APPLICATION SUPPORT

- Ultra-Long Haul solutions for maximum reach and network resilience
- Specialty optical solutions for space and emerging communications applications
- Datacom, DCI, Telecom and Access networks
- Coherent Optics for Metro and Long Haul
- Extended reach with superior spectral efficiency
- Designed for Performance, Scalability and Efficiency
- Built to meet today's demands and tomorrow's growth

ONE PORTFOLIO.
TWO KEY APPLICATION
DOMAINS.



DATAKOM
DATACENTER & AI INFRASTRUCTURE

- Hyperscale datacenters
- Scale-out Links
- AI / GPU clusters
- Spine-leaf architectures
- High-density switching

FOCUS

Short to Mid Reach

High Port Density

Low Power Consumption

100G – 1.6T and beyond Scaling

DATAKOM SOLUTIONS

Datacenter & AI Networks

Category	Products	Date Rates	Reach	Applications	Key Benefits
Short-Reach Optics	SFP+, SFP28, QSFP, QSFP28	10G – 100G	Up to 500m (MMF)	Intra-rack / Inter-rack	Low power, cost-effective
High-Speed Optics	QSFP56, QSFP-DD, OSFP	200G – 1.6T	Up to 10km (SMF)	Spine-leaf, AI clusters	High bandwidth, scalable
Active Optical Cables	SFPwire®, Quadwire®, C-wire®	10G – 400G+	Up to 100m	Switch-to-switch, server links	Plug-and-play simplicity
Breakout Solutions	QSFP to SFP fanout AOCs	4×10G / 4×25G Y-cables	Short reach	Port expansion	Flexible scaling

Optimized for high-density, low-latency AI and cloud environments.low-latency AI and cloud environments.



DCI & TELECOM
METRO, ACCESS & LONG HAUL NETWORKS

- Datacenter Interconnect (DCI)
- Scale Across Architectures
- Metro Aggregation Networks
- Transmission for Long and Ultra-Long Haul Links

FOCUS

Extended Reach

Coherent Transmission

DWDM / Tunable Optics

High Reliability

DCI & TELECOM SOLUTIONS

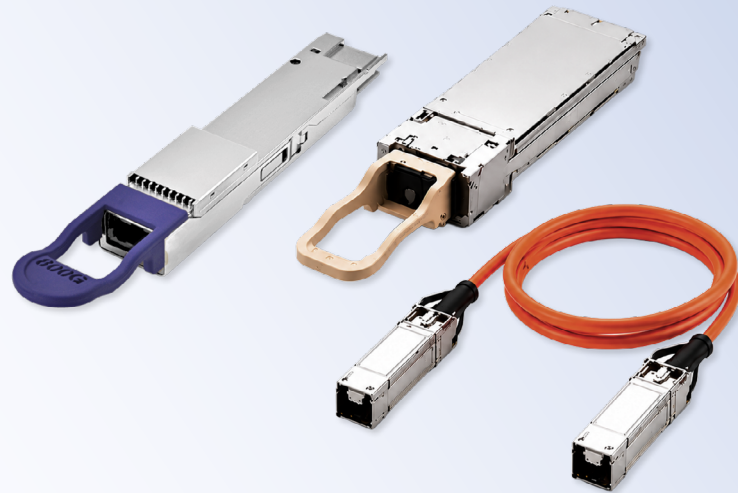
Access, Metro & Long-Haul Networks

Category	Products	Date Rates	Reach	Applications	Key Benefits
Direct Detect Transceivers	SFP+	10G	Up to 80km	Access	Compatibility
Digital Coherent Optics Transceivers	QSFP28	100G	Up to 300km	Access/Metro/DCI	Host Compatibility Plug & Play
	QSFP-DD	400G	Up to 2,000km	Metro/Long-Haul/DCI	High Performance Plug & Play
	QSFP-DD OSFP	800G	Up to 1,000km	Metro/Long-Haul/DCI	High Performance Plug & Play

Designed for extended reach, high reliability and scalable transport networks.

FINISAR® TRANSCEIVERS & CABLES DCI & TELECOM TRANSCEIVERS

High-performance optical solutions
for every connection



Digital Diagnostics

Our transceivers feature a microprocessor and diagnostics interface that provide performance information on the data link. Users can remotely monitor—in real-time—received optical power, transmitted optical power, laser bias current, transceiver input voltage and transceiver temperature of any transceiver in the network. These patented digital diagnostic functions provide network managers with a highly accurate, cost-effective tool for implementing reliable performance monitoring.

SFP

(copper and optical; longwave, shortwave and WDM)

Datacom

applications using Fast Ethernet, Gigabit Ethernet, 1x/2x/4x Fibre Channel

Telecom

applications using OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, EPON/

Features

- 3.3 V operating voltage
- Distances from very short links up to 100+km
- Wide operating temperature range
- Metal enclosure for lower EMI
- Digital diagnostics
- Wireless CPRI compliant



QSFP-DD/OSFP /QSFP112

(optical; longwave and shortwave)

Datacom

applications using 400G, 800G, and 1.6T Ethernet and high-density 50G and 100G Ethernet

Features

- Four- or eight-channel full duplex transceiver module
- 3.3 V operating voltage
- Maximum link length of 70m on OM3



QSFP+/QSFP28/QSFP56

optical; longwave, shortwave, DWDM and tunable)

Datacom

applications using 40G, 100G, and 200G Ethernet and high-density 10G, 25G, and 50G Ethernet

Telecom

applications using OTU3 and OTU4

Features

- Four-channel full duplex transceiver module
- Single-channel full duplex transceiver module (QSFP28 only)
- Hot-pluggable, MSA-compliant QSFP+, QSFP28 and QSFP56 form factors
- Maximum link length of 300m on OM3 MMF, 400 m on OM4/OM5 MMF, and 40 km on SMF (QSFP+ only)
- 3.3 V operating voltage
- Digital diagnostics
- Wireless CPRI compliant (LW and SW)
- I-Temp variants available



SFP+/SFP28/SFP56

(optical; longwave, shortwave, DWDM and tunable)

Datacom

applications using 10G, 25G, and 50G Ethernet and 2x/4x/8x/10x/16x/32x/64x Fibre Channel (LW and SW)

Telecom

applications using either OC-192/STM-64, 10G Ethernet, or Wireless/CPRI

Features

- Wide operating temperature range
- 3.3 V operating voltage
- Supports bit rates up to 57.8Gb/s (LW, SW), 11.3Gb/s (Tunable)
- Distances from short links up to 80 km LW, SW, DWDM (Tunable and Fixed)
- Wide operating temperature range
- Digital diagnostics
- Wireless CPRI compliant (LW and SW)
- Bi-directional SFP+ transceiver available



CXP

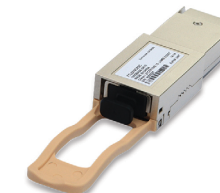
(optical; shortwave)

Datacom

applications for high-bandwidth, chassis interconnections

Features

- Twelve-channel full-duplex transceiver module
- Hot Pluggable CXP form factor
- Maximum link length of 300m on OM3 MMF and 400m on OM4 MMF
- Multi-rate Capability: Supports 1 Gb/s to 16Gb/s per channel



Digital Coherent Optics Transceivers

(optical; longwave)

Datacom

Data Center Interconnect (DCI) Scale Across architectures

Telecom

Metro, Long-Haul, and Access networks

Features

- 100Gb/s, 400Gb/s, 800Gb/s DCO modules (with built-in Digital Signal Processor)
- Enables "pay as you grow" deployment of coherent optics and IP over DWDM
- Supports multiple modulation formats, with aggregate data rates >800Gb/s



SFF

(optical; longwave and shortwave)

Datacom

applications using Gigabit Ethernet, 1x/2x/4x Fibre Channel

Telecom

applications using OC-3/STM-1, and OC-48/STM-16 across all reaches

Features

- Distances from very short links up to 15km
- Wide operating temperature range
- Available in 2x5, 2x7 or 2x10. 2x7 and 2x10 incorporate digital diagnostics

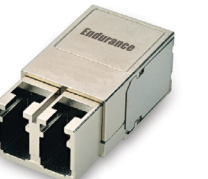


Endurance Compact Transceivers

(optical; longwave and shortwave)

Features

- Compact form-factor for high-density solutions
- Data rate flexibility including 1G and 10G Ethernet, Fast Ethernet, and 1x/2x/4x/8x/16x Fibre Channel
- Board-mounted for an edge optical interface or internal mounting
- Designed for rugged applications



Active Optical Cables & Direct Attach Cables (DACs)

SFPwire®

10Gb/s and 25Gb/s SFP+ Active Optical Cable for Ethernet; available with Connectivity Diagnostics® visual fault alert

C.wire®

120 to 200Gb/s Parallel Active Optical Cable for 100GbE and InfiniBand 12xQDR

quadwire®

40Gb/s to 400Gb/s Parallel Active Optical Cable for 40, 100, and 400 Gigabit Ethernet and InfiniBand™ QDR, FDR, EDR, HDR, and NDR; 40G available with Connectivity Diagnostics® visual fault alert



FROM DATACENTER TO LONG AND ULTRA-LONG NETWORKS

Coherent optical solutions connect every layer of today's networks.

INTRA-DC (DATACOM)

Short reach up to **2**km



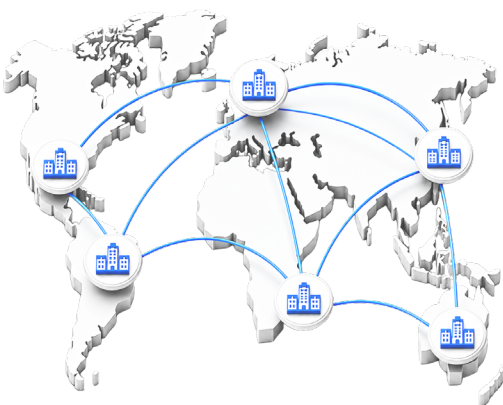
INTER-DC (DCI)

Mid reach up to **120**km



METRO / LONG-HAUL / ULTRA_LONG HAUL (TELECOM)

Long reach up to **1000+**km



Network Elements



Servers



Top-of-Rack (TOR) Switches



Spine Switches



Metro / Regional Networks



Core / Long-Haul Networks

PARTNER WITH COHERENT

With decades of innovation in optical communications, Coherent delivers proven solutions for the world's most demanding networks.

Whether enabling next-generation AI datacenters or expanding global telecom infrastructure, our portfolio provides the performance, scalability and reliability you need.

[LINK TO PRODUCT LISTINGS](#)

