Optical Networks Intelligence Service

Part of the Service Provider Networks Service Area Package
Global, in-depth coverage of optical network equipment used by telecom providers, cloud providers and enterprises. Key trends tracked include high speed optics evolution, wavelength management, data center interconnect, cloud adoption, and development of the edge.

> " 2022 will be a banner year for optical networks. 5G RAN, PON and Cloud service adoption will pump evermore access bandwidth onto the optical core. Optical networks will continue to grow in scale and capillarity to underpin the world's digital economy "

Ian Redpath
Practice Leader

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Coherent ports are the central capability of optical networks. The 1.2T gauntlet has just been throw down, challenging all to stay in the fight or not.
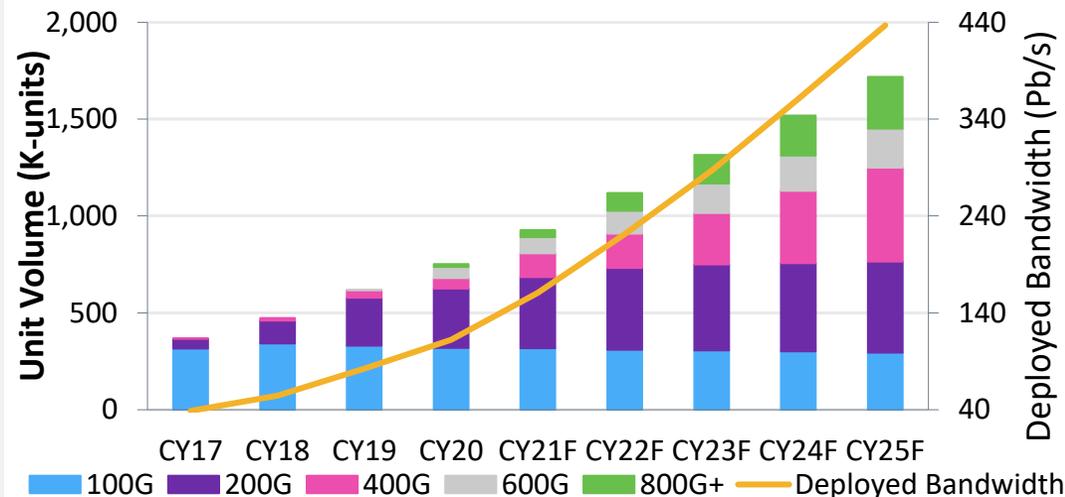
HOW OMDIA HELPS YOU

- Omdia evaluates business-market pain points, and critical technologies to identify new markets and guide clients through epochal transitions

- Identify shifts in buying patterns and behaviors

- Leverage surveys and channel checks to develop a deeper understanding customers evolving needs

KEY QUESTIONS ADDRESSED

- What are the size, share, and forecasts for the optical networks and the data center interconnect application?

- How are optical networks evolving to support the growth of 5G, cloud services and edge compute?

- How large is the high-speed optics market and how is it expected to evolve over time?

- The high-performance coherent DSP field is winnowing, who will stay in the fight?

- What can we expect for the next CMOS nodes?

- Time for coherent optics to the network edge?

- How is the wavelength management market evolving?

- Disaggregation models are maturing, how does the industry automate?

- How will the subsea market progress?

Coherent Port Shipments by Maximum Data Rate

Source: Omdia

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Optical Networks: Our Expert Analysts

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Optical Networks: Deliverables

MARKET DATA
—*Various: Quarterly to Biannual*—

Optical Networks Market Share & Forecasts
Data Center Interconnect Market Share & Forecast
Coherent Database Market Share & Forecast

SURVEYS
—*Annual*—

Optical Network Strategies Service Provider Survey

REPORTS
—*Annual*—

Optical Networks Trends to Watch
DCI Report

ANALYST INSIGHTS
—*Ongoing*—

Analyst commentary on market shifts, technology and regional developments, vendors, events, and more.

PRESENTATIONS
—*Ongoing*—

Analyst briefings

ANALYST ACCESS
—*Ongoing*—

For prompt responses to urgent and unique questions.

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Information Classification: General

Optical Networks: Market Data

Optical Network, DCI & Coherent Database Market Share

Worldwide and regional market share and analysis for optical networks, DCI and the Coherent Database

DETAILS

Frequency: Quarterly data

Measures
- Vendor market shares
- Revenues

Regions
- Worldwide
- North America
- Europe, the Middle East & Africa
- Asia-Oceania (China, Japan, India, Rest of APAC)
- Latin America and the Caribbean

COVERAGE

Optical Networks
- By major product segment: aggregation, metro WDM and long haul WDM, SLTE WDM
- By application segments: subsea optoelectronics, OTN switching, purpose built DCI

Data Center Interconnect
- By buyer segments: CSPs, ICPs/CNPs, Government/R&E, and Enterprise

Coherent Database
- By speed, application and optics

Optical Network, DCI & Coherent Database Forecasts

Worldwide and regional forecasts and analysis for optical networks, DCI and the Coherent Database

DETAILS

Frequency: Biannual and Annual

Measures
- Revenues

Regions
- Worldwide
- North America
- EMEA
- Asia-Oceania (China, Japan, India, Rest of APAC)
- Latin America and the Caribbean

COVERAGE

Optical Networks
- Revenues, volumes and ASPs
- By major product segment:
- By high speed ports and commons
- For Global, NA, Europe, Middle East & Africa, Asia-Oceania (China, Japan, India, Rest of APAC)

Data Center Interconnect
- For Global, NA, EMEA, Asia-Oceania, Latin America and the Caribbean

Coherent Database
- By speed, application and optics

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Optical Networks: Report, Surveys and Analysis

Trends to Watch & Thematic Research Reports

An annual snapshot of the major trends in the optical network segment. Identification and analysis of key trends that will impact and reshape the market in the years to come

Optical Networks Trends to Watch

Frequency: Annual

Annual roundup of all events and developments that are expected to impact the optical network market in the years to come. Typically includes an analysis of emerging technologies and optical centric capabilities. Also typically include and readout on major geo-political events, that will impact the sector. The analysis typically includes an overview and analysis of key business model progression, application adoption, and the growth on optical networks.

Optical Networks 2022 Research Themes

Frequency: Quarterly and event driven

Topical reports delving deeper into major research themes typically triggered off of a major industry event.

Optical Networks Surveys

Optical Network Strategies Service Provider Survey

Frequency: Annual

Provides insight into the service provider views on the optical network technology, promise of adoption and deployment in the service provider networks.

Interviews with at least 200 optical network experts at service providers around the globe. The annual survey will probe key hot topics in the optical networks realm including expected application growth and new segment drivers, new types of connectivity and technologies, and progress on technology evaluation and expected deployment timelines.

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Optical Networks: Research Themes 2022

Top line application drivers have never been better	PON deployments exploded in 2021. Government stimulus spending to further catalyze in 2022 and beyond.
	5G build momentum solidifying and broadening. "Everything north of the tower is cloud and fiber"
	Edge compute growing based on "boring but bill paying" applications
Coherent optics arms race continues: 1.2T Gauntlet thrown down	Pressure on vendor R&D teams is intense, a misstep leads to relegation
	Market is splintering – pursuing differing CMOS nodes.
Politics is having an impact	Tailwind vendors looking to make headway.
	Headwinds vendors hunkering down, but continuing to press on.
Pandemic impact: connectivity is paramount.	Earnest efforts to close the digital divide

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Related Content: Service Provider Networks Service Area Coverage

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Service Area Package: **Service Provider Networks**

- Broadband Access Intelligence Service
- Carrier Network Software Intelligence Service
- Mobile Infrastructure Intelligence Service
- Mobile Transport & Microwave Intelligence Service
- Optical Components Intelligence Service
- Optical Networks Intelligence Service
- Service Provider Routing and Switching Intelligence Service
- Service Provider Operations & IT Intelligence Service

Service Provider Networks Viewpoint Service

- Enterprise SP Routing and Switching Spotlight Service
- Service Provider Network Economics Spotlight Service
- Telecoms Vendor Market Share Spotlight Service
- Telecoms Vendor Contracts Spotlight Service
- Telecoms IT Contracts Spotlight Service

About Omdia's Service Provider Networks Coverage

Omdia's Service Provider Networks research services provide expert analysis and data across the complete landscape of telecoms networks, including infrastructure, software and operations. The Networks team supports the broadest coverage in the industry, from mobile access, fixed access and mobile core, to transport, microwave, routing/switching, optical networks and components. Offering specialist coverage on service providers' own transformation, including telecoms operations and IT, carrier network software, and service provider AI, Omdia's Networks research provides the unique ability to both deep dive into specific technologies as well as gain higher-level strategic analysis and insight.

Omdia's Network research complements our Service Provider Consumer and Enterprise research services, enabling us to advise key vendors on their customers' customers, and guide service providers themselves on the evolving technology supplier and partner landscape. Omdia helps both vendors and service providers assess which applications and products will drive future growth, forecast the adoption and impact of new technologies, benchmark key competitors, target customers, and select suppliers, providing a holistic view of service provider investments across the industry.

Through our coverage of mobile and broadband access and core networks, transport networks, optical networks and components, and service provider transformation, our global team of expert analysts offers unparalleled data and insight as the transformation of service provider networks gathers pace.

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ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.
Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses–today and tomorrow.
* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.

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