IHS Markit™

Optical Networks

Global, in-depth coverage of optical networking equipment used by service providers and enterprises for metro and core network applications

Market Trackers – delivered in Excel and accompanied by written PDF analysis:

- **Optical Network Hardware Market Tracker –** worldwide, regional, and select country forecasts, analysis, and trends for WDM and SONET/SDH equipment and ports
- **DCI, Packet-Optical and OTN Market Tracker –** worldwide and regional forecasts, analysis, and trends for DCI, Packet-Optical, and OTN switching and transport equipment
- **Data Center Optics Market Tracker –** forecasts and analysis for optical transceivers including 10G, 40G, and 100G sold into the enterprise and data center markets
- **Telecom Optics & Components Market Tracker –** forecasts and analysis for 10G, 40G and 100G+ optical transceivers sold to telecom service providers

Surveys – delivered in PDF:

- **Optical Network Equipment Strategies Survey –** analyzes the plans and needs of network operators deploying next-generation transport equipment technologies
- **Optical Equipment Vendor Leadership Survey –** quantitative insight into what optical transport network operators think about individual equipment vendors
- **Optical Network Applications Survey –** analyzes the plans and needs of operators that have deployed or evaluated optical network applications including packet-optical transport, data center interconnect and SDN

Scorecard – delivered in PDF:

- **Optical Network Hardware Vendor Scorecard –** profiles, analyzes and ranks the leading optical vendors worldwide based on measurable data

DELIVERABLES

- **Market Trackers (4)** Worldwide and regional market size and share information; historic and forecasted through 2022.

- **Surveys (3)** – In-depth interviews with technology buyers about their purchasing plans, drivers, challenges, etc.

- **Scorecard (1)** – Profiles and evaluations of the top revenue producers based on concrete data and metrics.

- **Market Insights (~12)** Analyst commentary on market shifts, technology and regional developments, vendors, events, and more.

- **Briefings** – Quarterly scheduled briefings with analysts on research highlights from all aspects of the market.

- **Analyst Access** – For prompt responses to urgent and unique questions.

Research Coverage

Market Trackers	Measures	Coverage
Optical Network Hardware* (quarterly service – market share published 40+ days after the close of each quarter, full report shortly after)	Vendor market shares Revenues Ports	WDM equipment (Metro transport and ROADM, long haul transport, ROADM, SLTE) SONET/SDH equipment WDM and SONET/SDH ports by speed
DCI, Packet-Optical and OTN Market Tracker (biannual)	Vendor market shares Revenues	Compact and traditional WDM equipment for DCI OTN transport and switching equipment Metro edge and metro regional P-OTS (packet-optical transport systems)
Data Center Optics (biannual)	Revenues Units ARPU	10G, 40G, and 100G datacom optical transceiver modules (short reach optics) in granular detail: by speed, reach, wavelength and form factor
Telecom Optics (biannual)	Revenues Units ARPU	10G, 40G, 100G+ service provider optical transceiver modules (long reach direct detect and coherent optics) in granular detail: by speed, reach, wavelength and form factor

Other Deliverables	Details
Optical Network Equipment Strategies: Service Provider Survey (annual)	Interviews with knowledgeable purchase-decision makers at operators worldwide about their plans for deploying latest generations of WDM transport equipment in the metro and core, including timeline, feature requirements, coherent deployments, price expectations, and technologies.
Optical Equipment Vendor Leadership: Service Provider Survey (annual)	Interviews with knowledgeable purchase-decision makers at optical transport network operators worldwide to get their opinions and ratings of vendors, including vendor familiarity, vendors installed and under evaluation, must-have equipment features, vendor selection criteria, top suppliers, and vendors leading in key technologies.
Optical Network Applications Strategies: Service Provider Survey (annual)	Interviews with knowledgeable purchase-decision makers at operators worldwide that have deployed or evaluated optical network applications including packet-optical transport, data center interconnect, and SDN-enabled applications. Explores opportunities, deployment barriers and timelines.
Optical Network Hardware Vendor Scorecard (annual)	Evaluates the leading optical vendors using actual data and metrics, such as direct feedback from operators, vendor market share and momentum, financials, and next-gen

equipment portfolio.

For more information ihsmarkit.com/echnology.ihs.com

WORLDWIDE

T +1 844 301 7334

E technology_us@ihsmarkit.com
   technology_apac@ihsmarkit.com
   technology_emea@ihsmarkit.com

About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

Research Coverage (continued)

Regions	Sample Companies (see abstracts for full lists)	
Worldwide North America (US and Canada) Europe, the Middle East, Africa Asia Pacific (including Japan and Australia) Caribbean and Latin America (including Mexico) *Includes additional data breakouts and analysis for China, India, Japan, and Rest of Asia Pacific*	ADVA Ciena Cisco Coriant ECI Telecom Finisar Fujitsu Huawei Infinera	Lumentum NEC Nokia Neophotonics Oclaro Padtec TE Connectivity ZTE

Related Research

Data Center Networks
Mobile Backhaul & Microwave
SDN & NFV
Service Provider Economics
Service Provider Routing & Switching