CIOE 2020 Visitor Guide

Data Center

September 9-11, 2020
Shenzhen World Exhibition and Convention Center
Focus on the applications and development of optoelectronic technologies in Data Center

CIOE (China International Optoelectronic Exposition) will focus on data center core technologies for ICT equipment manufacturers, IDC telecom operators, IDC third-party service providers, cloud service solution providers and related end users in data center applications.

Exhibit Profile

Optical chips, optical modules, optical communication system equipment, optical communication devices (active devices, passive devices), optical fiber cables/optical fiber sensors, optical test instruments and meters, optical device production equipment, radio and television optical transmission equipment, ICT system equipment, IDC, data center infrastructure construction.

Target Visitors

System integrators, operators and Internet service providers, IDC, Internet, financial institutions, etc.; optical components, optical modules, optical fiber and cable, materials and accessories and other related enterprises.

Key Exhibitors

*Exhibitors listed in no particular order

6 Concurrent Sub-Expos at CIOE 2020
InnoLight Technology (Suzhou) Ltd.  

InnoLight has a comprehensive portfolio of 400G OSFP optical communication modules. They are available in 4x50Gx2 and 4x100G architectures. The products are compliant with IEEE 802.3bs and OSFPMSA standards and are mainly used in 400G applications, Ethernet, data center and cloud networks.

InnoLight Technology (Suzhou) Ltd.  

InnoLight has a comprehensive portfolio of 400G QSFP-DD optical modules. Compliant with IEEE 802.3bs and QSFP-DD MSA standards and mainly used in 400G Ethernet, Ethernet, Ethernet, and Ethernet-IP applications, Data Center and Cloud Networks.

Hisense Broadband Multimedia Technologies Co., Ltd.  

The LMQ3921S-PC+ is a QSFP-DD Optical transceiver for 4x100Gb/s optical links. It is compliant with the of QSFP-DD MSA specifications. It operates at 53.125G Baud up to 500m over single-mode fiber.

HiSilicon Optoelectronics Co., Ltd.  

100G BASE-SR4 Ethernet links High-speed interconnects within and between switches, routers, and transport equipment server-server clusters, super-computing interconnects
Eoptolink Technology Inc., Ltd.  8B75  400G QSFP56-DD

Eoptolink’s 400G QSFP56-DD transceivers are addressing the technical challenges of achieving high speed 400G interconnections. The transceivers have four optical lanes that operate at 100Gbps PAM4 modulation, providing solutions up to 400 Gbps. The transceivers have on the electrical side 8 lanes of 53.125Gbps PAM4. They are compliant with the QSFP-DD MSA (DD = Double Density).

Shenzhen Gigalight Technology Co., Ltd.  8C83  400G QSFP-DD SR8

Gigalight’s 400G QSFP-DD SR8 transceiver module is widely used in data center dual-density 200GBASE-SR4 Ethernet with transmission distance up to 70m (OM3) or 100m (OM4) over multimode fiber.

T&S Communications Co., Ltd.  6B21  QSFP28-100G-CWDM4-10KM

-10km CWDM modules - Meets 6.5dBm link budget - Uncooled CWDM DFB Laser, Direct Modulation - Electrical Interface compliant with CAUI-4 per 100G Ethernet IEEE 802.3bm Annex 83E - Controlled Input Signal Equalization and Output Signal Amplitude - SFF-8636 Compliant, High Speed I2C interface - Single-mode LC fiber interface - Hot-swappable - 0-70°C operating temperature - Power consumption < 3.5W

Wuxi Taclink Optoelectronics Technology CO., Ltd.  8C51  100G QSFP28

In the three major segments of communication transmission business, data and access business and subsystem business, the products include amplifiers, transmission modules, data access modules and subsystems, etc. The products have passed the ISO9001: 2015 quality system certification of the German TUV certification body, and have become an excellent supplier for many world-renowned manufacturers.
ShenZhen Opway Communication Co., Ltd. 8C71 Optical Module

100G QSFP28 series and 25G SFP28 series optical modules are the High-tech products in Guangdong Province. 100G, 25G series products have been mass produced, 400G QSFP-DD, 50G QSFP-DD and 50G QSFP-DD products have been mass produced. QSFP28 PAM4 and other products have made substantial breakthroughs. 5G-related products with excellent performance and stable quality have been applied to Korea LG U+ 5G network and some domestic operators. The product can support industrial-grade temperature according to customer's requirements.

Hangzhou Xinyun Technology Co., Ltd. 8B05 100G APD ROSA

The XY2224 is a dead-end 100Gbps APD receiver optic for 30km/40km transmission applications. Its small package, low power consumption and high sensitivity can meet the size requirements of the QSFP28 and is suitable for telecom and data center applications.

Shenzhen Hi-Optel Technology Co., Ltd. 8C63 100G Series

100G optical modules are available in a variety of packages, including the early CFP/CFP2/CFP4. The CFP series of optical modules and the QSFP28 optical module are popular for 100G networks solutions with many advantages accordingly, and they have a place in the specific application of 100G networks.

Flyin Optronics Co., Ltd. 6B31 SFP Optical Module

BIDI SFP+ Transceiver Compact Transceiver Module. It is explicitly designed for high speed communication applications requiring a rate of 10.7Gbps, it is designed to comply with SFF 8472 and SFF 8473. SFP+ MSA set-up trigger. Module data link 10 km or 40 km 9/125um single mode fiber. The optical output can be disabled for LVTTL logic with the advanced input Tx disabled. tx faults are provided to indicate laser degradation. Loss of Signal (LOS) output signals indicate the status of the loss provided by an input optical signal receiver or link with a partner.
O-Net Communications (Shenzhen) Limited

100G QSFP28 AOC

100G BASE-SR4 Ethernet links
High-speed interconnects within and between switches, routers, and transport equipment. Server-server clusters, super-computing interconnects.

O-Net Communications (Shenzhen) Limited

40G QSFP+ AOC

40G BASE-SR4 Ethernet links
InfiniBand SDR/DDR/QDR interconnects
4G/8G/10G fiber channel
Client-side telecom connections

Shenzhen Gigalight Technology Co., Ltd.

400G QSFP-DD AOC

400G QSFP-DD AOC active optical cable for data center dual-density 200GBASE-SR4 Ethernet links that can be interconnected over OM3 or OM4 multimode fiber (MMF) at distances of up to 70 meters or 100 meters.

Wuhan RayOptek Co., Ltd.

40G QSFP+AOC

Four-channel full-duplex active optical cable with transmission rates up to 11.3 Gbit/s per channel and reliable VCSEL array technology. The standard lengths are 3, 5, 10, 15, 20, 30, 50,100m etc. Low power consumption <1.5W operates temperature from 0° C to 70° C, 3.3V power supply, meets RoHS 6 requirements and supports QSFP+ hot swappable. Applied for high speed networks QDR, DDR and SDR, data centers, 40G Ethernet, 4G/8G/10G fiber channel.
Active Optical Cable (AOC) is the ideal choice for achieving fast and reliable network architectures for short distances situations such as in a cabinet or data center. Due to its fixed assembly of the fiber to the module and its short-range transmission characteristics, the AOC offers high endurance, low latency, and low power consumption.

MPO trunk cable patch cables, used for trunk signal transmission, both sides are mostly MPO connectors. Mostly use round cable, common cores are 12/24/36/48/72/96/144 cores.

MPO/MTP pre-terminated fiber optic cable adopts high quality fiber optic cable and MPO/MTP components, low insertion loss and high return loss to meet the harsh high-speed network environment, and its efficient plug-and-play architecture greatly reduces the installation and daily maintenance costs.

MPO/MTP patch cables are mainly used for data centers and cloud networks.
Main products: 1. 12-core and 24-core MPO patch cords. 2. 12-core and 24-core single mode patch cords. 3. Dual/multi-wavelength testing and displaying at the same time. 4. Optional integrating sphere to support special device testing. 5. Optional line sequence testing.

Product parameters: 1. Configure MPO test software, data storage and record. 2. Test accuracy reaches 0.01dB and test range reaches 80dB. 3. Return loss test value stability, return loss test to - 0.01dB. 4. 75dB. 4. Fast response and fast test completion. 5. Support for multi-core wire sequence test and polarity test.

SHENZHEN YIXI ELECTRONICS CO., LTD
6A82
Optical Divider

The product is mainly used for the connection and testing of optical communication equipment, applied to Internet service providers, data centers, optical communications, information processing/storage.

FUJIAN GUI COMM-TECH CO., LTD
4D035
Optical Divider

PLC Splitter is an integrated waveguide optical power distribution device based on quartz substrate, with small size, wide operating wavelength range, high reliability, good uniformity, etc. It is especially suitable for passive optical network (EPON, BPON, GPON, etc.) to connect the local terminal and terminal equipment and realize optical signal splitting.
Ningbo Lexin Optical Technology Co., Ltd.  
6B15  
Fast Assembly Optical Connector


Suzhou Litas Optical Technologies Limited  
6E023  
Non-contact optical connector

Superior optical performance of contactless fiber optic connectors: 1. dust resistance; 2. ultra-low insertion loss repeatability. 3. more than 10 times the life of conventional contact; 4. no damage to the device under test; 5. low insertion loss: average 0.09dB; 6. Absolute match; 7. Compatible with contact connectors.

Suzhou TFC Optical Communication Co., Ltd.  
8C73  
Cable Connector

Main products: 100G/200G high speed optical modules and AOC cabling solutions and high density cabling solutions for data centers and access networks.

HYC CO., Ltd.  
6D11  
Polarization-maintaining Connector

HYC has independently designed and developed a new type of PM connector with 360° core adjustable and deviation Angle controllable to ±1°, which is ahead of the industry level. At the same time, it has the characteristics of high precision, low loss and ultra-high extinction ratio, which is widely used in instruments or scenes sensitive to polarization state.
Cixi YaXun Communication Equipment Co., Ltd.  
**6E139/6E140**  
Optical fiber splitter box

16-core fiber optic splitter box, waterproof grade IP65, 2 into 16 out, support for fiber optic cable pull out, can be installed PLC splitter, support for direct melting and fiber splitting, and ABS material. Product size 325 * 250 * 120 mm, gross weight 1.45kg, 10 pieces, 60*51*35cm 14.6kg, mainly exported to Brazil and China. Russia, Argentina, the Middle East and other countries and regions.

Ningbo Dahua Telecommunication Equipment CO., Ltd.  
**6E108/6E109**  
Optical fiber splitter box

Main product applications: this series of fiber optic cable splitter box is the latest new product developed by our company in 2019. Products from 8 cores maximum to 32 cores, with 3 internal structures and 7 external structures. Product material is the latest PC alloy. Stable performance, convenient construction and operation. The box can be mounted on the wall and can be used both indoors and outdoors to meet the needs of customers in different scenarios.

Cixi Shengjiu Communication Equipment Co. Ltd.  
**6E156/6E157**  
Optical fiber splitter box

Waterproof level IP65; pre-support connections.

Hangzhou Tuolima Network Technologies Co., Ltd.  
**6E151/6E152**  
Cable Connector Box

The cable connector box belongs to the mechanical pressure seal connector system, which is a continuous protection device providing optical, seal and mechanical strength continuity between adjacent cables. It is mainly applicable to all kinds of structure cable overhead, pipelines, buried directly and branch connection. The box body is made of imported reinforced plastic with high strength and corrosion resistance.
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<th>Company Name</th>
<th>Booth No.</th>
<th>Product/Technology</th>
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<tr>
<td>Dongguan LACY Precision Hardware Electronics Co., Ltd</td>
<td>6E170</td>
<td>Optical fiber distribution box&lt;br&gt;To solve the problem of data center deployment of optical fiber, high-density optical fiber distribution box provides excellent density, convenient port access and cable management, and provides choice of 1U, 2U, 4U and other specifications, so as to meet the diversified requirements of data center construction, and also can realize arbitrary collocation and combination of different products.</td>
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<tr>
<td>Changzhou Linket Electronic Technology Co., Ltd</td>
<td>6D72</td>
<td>Fiber Pigtail&lt;br&gt;Our products are widely used in FTTH&amp;FTTX, CATV, GPON&amp;EPON, with low insertion loss, high return loss, good repeatability &amp; interchangeability, wear resistance &amp; stability, and high 3D throughput.</td>
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<td>Ningbo Geyida Cable Technology Co., Ltd</td>
<td>6B61</td>
<td>Dry type cable&lt;br&gt;Dry optical cables can be used to make tail fiber and MPO jumpers, optical connections for optical distribution racks, and optical connections for optical instruments and equipment. Maximum number of cores can be up to 144 cores. Good mechanical and environmental performance. Soft, flexible and easy to connect, suitable for use in data centers, office buildings and other places where the use of optical fibers is intensive.</td>
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<tr>
<td>HiOSO Technology Co., Ltd</td>
<td>4C22</td>
<td>8port GPON OLT&lt;br&gt;HA7300G series provide 4/8/16 downstream GPON ports, 4 upstream GE optical multiplexers. Combo port, 2 10 Gigabit SFP+ ports. The Combo port, with a height of 1U, is compact and convenient, flexible, easy to deploy, and high performance, meeting the requirements of compact server room environments.</td>
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**Dimension Technology Co., Ltd.**  
4A27  
AutoGet Wifi Intelligent optical fiber end face detector

*AutoGet Wifi is the industry's first foldable full-featured handheld intelligent fiber optic terminal analyzer. It provides a fully automated, intelligent fiber endface inspection solution for single core, MPO and other multi-fiber connectors. Fully automatic detection, analysis and judgment. All-in-one design allows users to easily achieve a variety of operations, automatic identification, auto-focus, auto-centering, auto-capture, auto-analysis 100% automatic operation, automatic report generation, etc., for a one-step inspection and determination.*

**Santec (shanghai) Co., Ltd.**  
4A35  
Quick scan testing system

*Santec Rapid Scan Test Systems allow simultaneous acquisition of the output power of adjustable lasers through real-time recordings with the transmitted power through the DUT, thus accurately calculating the WDL/PDL data. The Mueller matrix is used to generate fast PDL measurement solutions. The system can also be simplified by using a Sanec data acquisition module (SPU-100) in combination with other optical power meters or A detector that can be used extensively for WDL testing.*

**Shenzhen ShenGaoXin Photoelectric Technology Co., Ltd.**  
4B011/4B012/4B017/4B018  
MPO/MTP Phase Propper

*The main product applications: 12/24 channels can be selected by a key, no need to customize 24-channel equipment, can detect any less than 24 channels. MPO-MPO line sequence status of channels, support 12 channels / 24 channels fan line sequence detection, 7-inch HD large screen The display of the test results is straightforward and compatible with 9/125, 50/125 and 62.5/125 cores. There is an alarm sound alert to reduce false positives.*
Dimension Technology Co., Ltd. 4A27

MT Pro Single/Multi-Channel Integrated Interferometer

MT Pro is a dual light source interferometer that integrates single and multiple cores. Combined with Dimension's high-tech independently developed and patented optical system to increase the size of the inspection field of view, the multi-core uses non-contact white light scanning measurement, and the single-core is developed using the principle of red light coherence. It can quickly and automatically detect the index parameters of the 3D shape of the connector surface automatically and accurately, and display and save the measurement results. Equipped with a variety of high-performance testing fixtures, widely used in laboratories and manufacturing.

Jericore Technologies Co., Ltd 4E031

Distributed temperature sensing system

The distributed optical fiber temperature and strain sensing system developed by Jericore is a complex system based on a number of patented technologies, integrated with optical, mechanical, electronic modules and software algorithms. It features in excellent technical specifications and user-friendly interface.

PHOGRAIN Technology (Shenzhen) Co., Ltd 8B21

Detector, laser chip

Develop and produce semiconductor flower shop detector and laser series photonic chips based on indium phosphide (InP) substrate.

QXP Technologies Inc. 8C31

WDM MUX/DeMUX Chipset

Designed for Data Center Network optical transceiver applications are compact with superior performance and lower cost, meeting Telcordia GR-1221-CORE requirements and are RoHS 6/6 compliant.
The CTC7132 chip is the sixth generation core switching chip launched by Centec facing the evolution of edge computing technology in the cloud era. The chip supports 440Gbps I/O bandwidth, integrated ARM dual-core A53 processor, QSGMII and Port forms such as the USXGMII provide full rate port capability from 100M to 100G.

Shijia splitter wafers and chips use planar optical waveguide technology, where different channel optical splitter wafers are made on a quartz substrate by lithography, etching and other techniques. The PLC splitter chip is the core chip of the PON system, which can receive single or two optical signals and distribute them to multiple users. In addition, the PLC optical splitter chip can also combine multiple signals into one or two signals.

The Institute has three majors including electrical transmission, optical transmission and optical sensing. Electrical transmission is engaged in the R&D and production of RF cables, special cables, waveguide and microwave millimeter-wave devices, connectors and assemblies. Optical transmission is mainly engaged in the R&D and production of special optical fiber, special optical cable and components, optical fiber devices. Optical sensing is mainly engaged in the R&D and production of full-fiber hydrophone and other sensors.

Kingsignal's QSFP and copper cable assemblies are designed for use with Infiniband’s 10 Gigabit Ethernet cable and Ethernet and 40 Gigabit Ethernet applications. These cable assemblies exceed 10 Gbps per channel (10Gbs/channel) per Infiniband QDR. The data rate standard improves the reliability of signal transmission. It also meets all IBTA, QSFP MSA and SFF-8436 specifications that support long-range high-speed data rates. High-speed cable assemblies meet and exceed industry standards for increased reliability, ensuring high quality signal transmission, easy of installation, high performance and lower maintenance costs.
**SCHOTT AG**

Schott is a global innovation leader in high-speed TO packaging. From the 10G and 25G eras to the latest 50G high-speed products, SCHOTT has once again defined the industry standard and future trends. The 25G TO PLUS® headers, which have already entered the market in large quantities, contribute to China’s 5G development. Based on its unique and excellent design and advanced material technology, SCHOTT’s high-speed 25G TO is able to achieve lower insertion loss and have extremely good RF performance.

**Guilin Glsun Science And Tech Group Co., Ltd.**

Optical switch test equipment, optical network transmission subsystems, monitoring and system protection equipment.

**Kingsignal Technology Co., Ltd.**

RJ modules adopt open Keystone interface, suitable for all kinds of Keystone panels, surface mount boxes and multimedia patch panels. It supports for 1000mbps Ethernet and other applications standard, IDC connector does not require wire pre-stripping and can terminate solid wire gauge such as 22AWG/24AWG/26AWG.

**Guilin Glsun Science And Tech Group Co., Ltd.**

Passive optical isolator related products (in-line, free space), various types of optical switches (mechanical, electromagnetic, stepper motor, MEMS, etc.), other optical devices and modules (optical wavelength division multiplexing, mini optical circulator, optical components for 100G/400G high-speed optical modules, etc.).
Zhejiang Dali Technology Co., Ltd. 1B16  DLSC-N Temperature measurement

DLSN-N temperature measurement monitoring system is a real-time monitoring system integrating visible light, infrared thermal imaging and embedded processing technology. The system automatically patrols the running substation equipment, real-time monitoring, automatic warning, real-time access to thermal information on equipment failure status, and automatically generates the corresponding temperature change report, which has the characteristics of non-stop, remote, safe and reliable, high detection accuracy.

Guilin HYGJ Communication Technology Co., Ltd. 6E158/6E159  Optical cable intelligent warning system

Optical cable intelligent warning system is a set of innovative cable line management and monitoring system. Based on OTDR / WDM / OPM / OLP / OSW / GIS and other advanced technology, the system combines the functions of optical cable warning, monitoring, alarming, fault analysis and positioning, line protection, resource management, etc., providing a strong guarantee for the safe and efficient operation of optical cable lines.

Shenzhen Sunell Technology Co., Ltd. 1A05  Dual visual thermal imager holder

"Thermal camera + 2 million pixel star grade HD camera" dual-vision network PTZ camera, visible lens is the industrial long fog-transparent lens, the gimbal hood (to match different focal lengths) is customizable, optional 75/60mm thermal imaging camera. 100mm motorized focus lens, horizontal 360° continuous rotation, positioning accuracy of ±0.1°, design for all-weather environment, high strength aluminum alloy cast housing, impact resistance, corrosion resistance, protection level up to IP66.

Zhejiang Rayson Optic Infrared Technology Co., Ltd. 1E66  Remote Infrared Imaging System

The R100 Series provide customized automatic gain control and adjusted image detail enhancement, auto-adaptive dynamic range filter to adapt to any type applications. The R100 range of movement components can be used in any type of system with a wide range of options to suit different optical systems. And it is compatible with compact modular hyperspectral core for small platform integration to control and processing unit for data logging and real-time processing (chemical detection, identification and quantification).
CIOE will start its new journey at Shenzhen World Exhibition and Convention Center will larger exhibition area and better facilities. Plan your visit with your traffic guide and check out where will be your closest spot to get on our shuttle bus.

CIOE has launched its official English WeChat account for delivering more industry news and marketing analysis for you to get to know China’s market better. Scan the QR code on the right or search CIOE Shenzhen in WeChat to follow.

CIOE 2020 Floor Plan