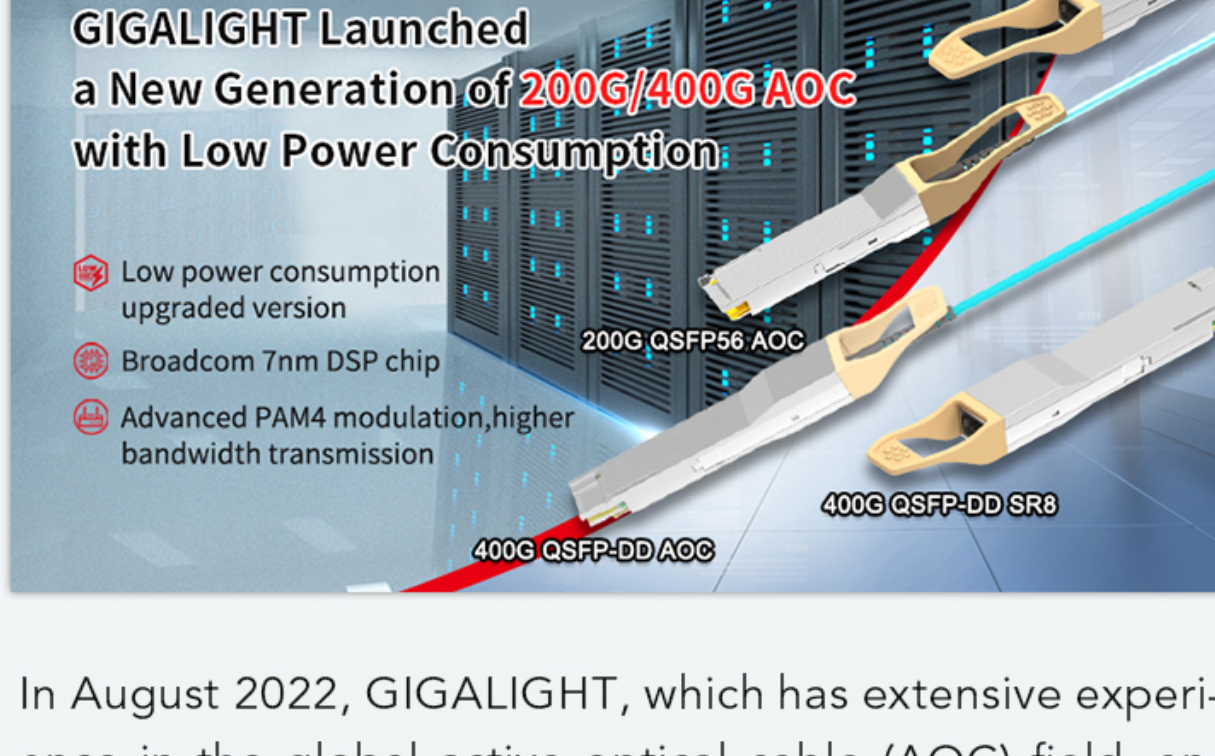


# GIGALIGHT Marketing Report Special Issue on Data Center AOC

2022 Q3 Vol.8

## AOC History Recap

### Upgraded AOC



In August 2022, GIGALIGHT, which has extensive experience in the global active optical cable (AOC) field, announced the completion of low-power design upgrades for 200G QSFP56 and 400G QSFP-DD series MMF transceivers and AOCs. The new upgraded version is now available for sale.

The new-launched 200G QSFP56 SR4/AOC is based on Broadcom's 4X50G PAM4 7nm DSP. It adopts MPO12 (APC) optical port, while the TDECQ of the tested eye diagram at room temperature and high temperature is about 1Db. The maximum power consumption at three temperatures is 4.65W, and the OMA sensitivity is about -8Dbm.

GIGALIGHT's multi-mode optical modules and active optical cable products based on 7nm DSP are as follows:

- 200G QSFP56 AOC
- 200G QSFP56 SR4
- 200G QSFP56 to 2X100G QSFP56 AOC
- 400G QSFP-DD AOC
- 400G QSFP-DD SR8
- 400G QSFP-DD to 2X200G QSFP56 AOC
- 400G QSFP-DD to 4X100G QSFP56 AOC

### 100G QSFP28 eSR4 AOC



In April 2020, GIGALIGHT launched a series of enhanced 100G QSFP28 SR4/AOC optics, in order to meet the needs of High-Performance Computing (HPC) and High-Frequency Trading (HFT) applications better. The new products support 25G/28G per channel and use OM4 fiber to achieve Zero BER transmission at 100 meters without FEC. While FEC is turned on, the transmission distance can reach up to 300 meters (OM4). In addition, the industrial temperature range feature is optional.

For the purpose of market segmentation, GIGALIGHT has defined and developed a series of differentiated AOC products, including the low-cost overclocking AOC lite version, the standard SR4 AOC version, the 25GE zero-BER eSR4 AOC version, and the dual-rate eSR4+ AOC version and more. GIGALIGHT is able to provide customers with the best commercial choice.

### Hardened Active Optical Cable (HAOC)



In January 2022, GIGALIGHT has announced the launch of Hardened Active Optical Cable (HAOC) products series for outdoor 5G base stations.

GIGALIGHT's HAOC assembly adopts industrial-grade optoelectronic chips, and supports industrial operating temperature range of -40 to +85°C (I-Temp). At the same time, it adopts outdoor armored optical cables. With armored protection from imported reinforced spun fiber, tiny stainless-steel hose and braided mesh, the cable features dust-proof, moisture-proof, anti-pressure and anti-rodent-bite capabilities. Therefore, the product can be deployed in harsh outdoor environments of 5G fronthaul. GIGALIGHT's HAOC can be used for data transmission inside the base station and coordinated transmission between base station groups. It can also be used for edge data centers in certain humid and hot environments. With reliability that reduces operation and maintenance costs, it is a 5G fronthaul optical interconnection solution that gives customers peace of mind and satisfaction.

GIGALIGHT HAOC is a supplement product line to the 5G fronthaul products.

### OCP Summit



OCP - Open Computing Project Summit, initiated by Facebook, with core members including Microsoft, Intel, etc., is held in San Jose every March. It is recognized as the most influential event in the field of data centers and the beacon of technology and application development in the data center market.

In 2018, GIGALIGHT launched the data center cabling system, which made a splash at the 2018 OCP Summit, attracted the attention of many industry insiders and was highly praised by customers. GIGALIGHT has been keeping up with the development of the data center era and continue innovating the professional design of optical interconnection cabling solutions to achieve high-density interconnection in the cabinet. With excellent artistic sense of horizontal view operations, the cabling system is a simple, fast, easy to use and cost-optimized solution.



## SALE Brand Sales

**Gigalight**

**GIGALIGHT - the world's leading manufacturer of active optical cables**

Over 3-million units! cumulative sales!

Benefiting from domestic open Internet customers, GIGALIGHT has cultivated the best practices in active fiber optic cables!

10G SFP+ AOC

From **\$17.16** <sup>3m</sup>

Order Now >

25G SFP28 AOC

From **\$25.67** <sup>3m</sup>

Order Now >

100G QSFP28 AOC

From **\$70.15** <sup>3m</sup>

Order Now >

## Other Hot Products

2019

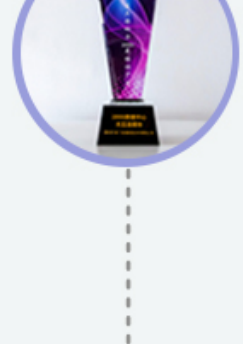
### 50G SFP56 AOC



In October 2019, GIGALIGHT released the 50G SFP56 AOC, which realized single-channel 50GE applications. The 50G SFP56 module is an important cornerstone of the 200G/400G data center, which can provide a variety of combined applications for data center interconnection.

2018

### 200G QSFP-DD AOC



In October 2018, GIGALIGHT released the 200G QSFP-DD AOC based on 8x25G NRZ modulation, which is leading the 200G optical modules as the basis for next-generation optical interconnection planning. In 2020, GIGALIGHT won the Most Influential Product Award at the CFCF2020 for its extensive 200G optical module product line and accurate judgment on 200G market applications.

\*If you are interested in our products or solutions, please reply to the email directly to explain your needs, and our sales manager will get in touch with you as soon as possible!

Gigalight

Open Optical Network Device Explorer

