GBC PHOTONICS®
DRIVING OPTICAL NETWORKS

salumanus
Leading Telecommunication Networks

Code & Tune To Become Universal

GBC Photonics Was Created By Salumanus, A Company Established In 2002, Whose Name Comes From The Latin Words „Salus” (Helpful) And „Manus”(Hand). This Name Reflects The Company’s Coremission To Support Clients By Making The Latest Technologies More Accessible.

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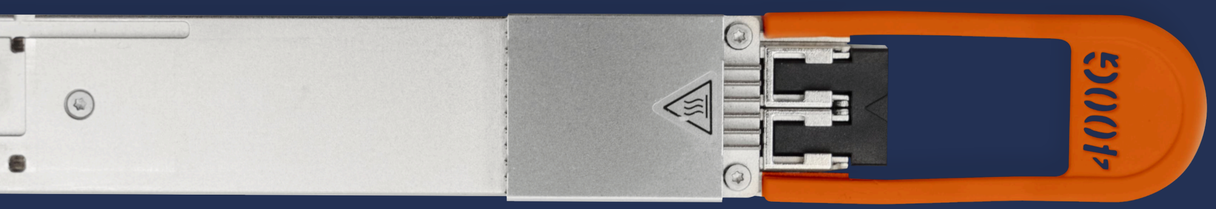
400G, 100G

400G

- QSFP-DD 4xFR1/LR1, SM, Single Rate, **Up To 10km**
- QSFP-DD FR4/LR4/ER8, SM, Single Rate, **Up To 40km**
- OSFP FR4/LR4, SM, Single Rate, **Up To 10km**

100G

- QSFP28 FR1/LR1, SM, **Up To 10km**
- QSFP28 LR4/ER4/ZR4, SM, Single/Dual Rate **Up To 80km**
- QSFP28 BiDi, SM, **Up To 40km**



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40G. 25G, 10G, 1G

40G

- QSFP+ LR4/ER4, SM, Single Rate, **Up To 40km**
- QSFP+ PSM, SM, Single Rate, **Up To 10km**
- QSFP+ SR4/ESR4, MM. Single Rate, **Up To 300m**
- QSFP+ LX4, SM/MM, Single Rate, **Up To 2km**

25G

- SFP28 SM, Dual Rate 10G/25G, **Up To 40km**
- SFP28 BiDI, SM, Dual Rate 10G/25G, **Up To 20km**

10G

- SFP+ SM, Up **To 80km**
- SFP+ BiDi SM, **Up To 80km**
- SFP+ MM, **Up To 300m**

1G

- SFP SM, **Up To 120km**
- SFP BiDi SM, **Up To 80km**
- SFP MM, **Up To 550m**

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CWDM

- SFP+ 10G SM, Up To 23dB
- SFP 1G SM, Up To 41dB
- SFP+ 16G FC SM, Up To 14dB

DWDM, O-Band

- QSFP28 100G DWDM PAM4
- QSFP28 100G O-Band PAM4
- SFP+ 10G DWDM
- SFP+ 32G DWDM
- SFP28 10/25G DWDM Tunable

STM, E1 Over Ethernet

- SMART SFP 1,25G E1 100m
- SMART SFP 1,25G STM-1 15km

DAC, AOC - 1m, 2m, 3m, 5m, 7m, 10m

400G

- QSFP-DD AOC 400G/200G Single Rate
- QSFP-DD DAC 400G Single Rate

100G

- QSFP28 AOC 100G Single Rate
- QSFP28 DAC 100G Single Rate

40G

- QSFP+ AOC 40G Single Rate
- QSFP+ DAC 40G Single Rate

25G

- SFP28 AOC 25G Single Rate
- SFP28 DAC 25G Single Rate
- SFP28 DAC 10G/25G Dual Rate

10G

- SFP+ AOC 10G Single Rate
- SFP+ DAC 10G Single Rate

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Unlock universal optical transceivers with SRD 5

Flexibility: Program optical transceivers on-the fly, reducing spare parts inventory and lowering overall costs.

Mobility: Empower engineers to work efficiently with SRD 5 via smartphones.

Adaptability: Automatically adjust compatibility when replacing network equipment.

Support: Access remote technical assistance for smooth and accurate configurations.

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Coherent technology

QSFP28 100GZR/OTU4 High Power 0dBm CMIS

A revolutionary 100G module with low power consumption, supporting both Ethernet and OTN (OTU4) standards. DWDM channel configuration can be set from the host (after an operating system update). The 0dBm transmission power enables seamless migration from 10G to 100G in legacy DWDM systems without additional investments. Capable of operating on dark fiber with a range of up to 120km. Supports 100GHz and 50GHz channel grids.

QSFP28 100GZR High Power 0dBm SFF-8636

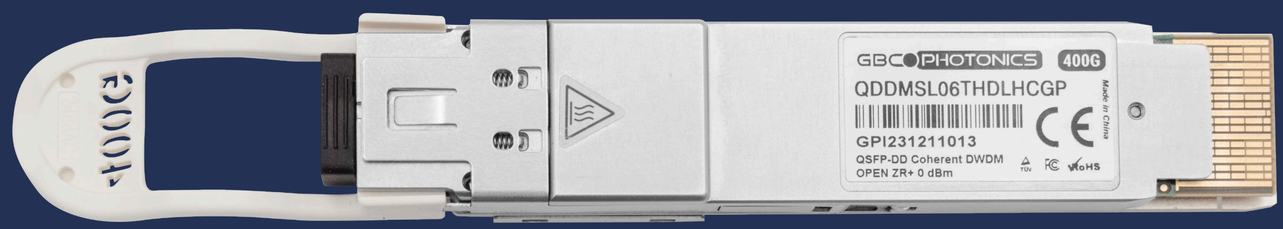
A revolutionary 100G module with low power consumption, supporting both A cutting-edge 100G module with low power consumption, supporting Ethernet standards. DWDM channel configuration is managed via the GBC Photonics SRD programmer. Compatible with any QSFP28-enabled device, even without an operating system update. The 0dBm transmission power allows for a straightforward upgrade from 10G to 100G in existing DWDM systems without additional investments. Supports 100GHz and 50GHz channel grids.

QSFP-DD 400GbE OIF/OPEN ZR+ High Power 0dBm

A high-performance module with multiple transmission and modulation modes (400G/300G/200G/100G), offering a range of up to 2000km. The high 0dBm transmission power ensures compatibility with ROADM networks. Supports 100GHz channel grids and FlexGrid technology.

QSFP-DD 800GbE OIF/OPEN ZR+ High Power 0dBm

The latest design featuring transmission modes of 800G/600G/400G, enabling ultra-long-distance connectivity spanning thousands of kilometers, thanks to Probabilistic Constellation Shaping (PCS) technology. Supports both C-band and L-band operation.



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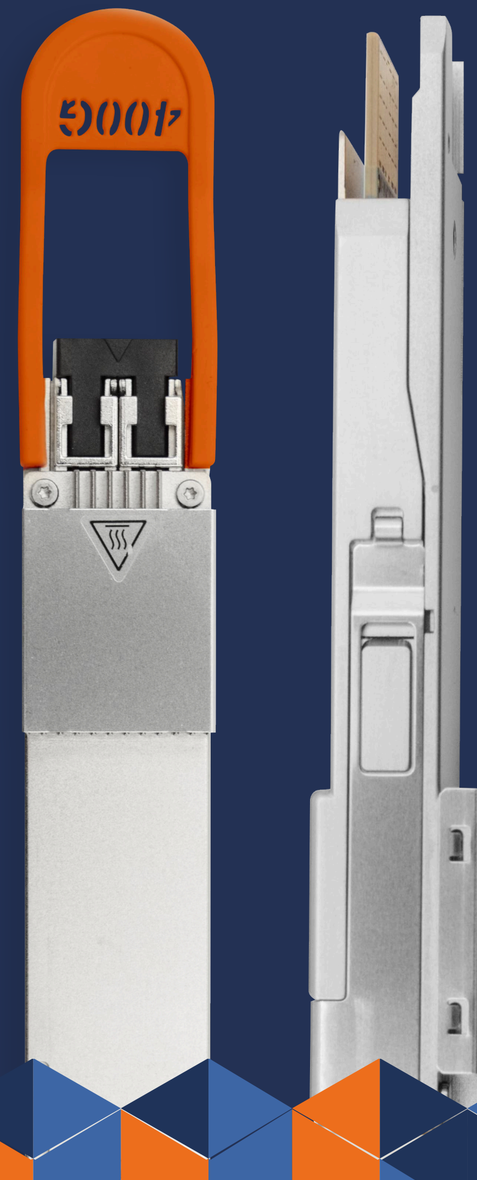
Empowering Optical Networks with Accessible Innovation

GBC Photonics

GBC Photonics is committed to advancing optical networks by creating products that are more affordable, reliable, and eco-friendly. We focus on our clients' success by ensuring their investments are effective, scalable, and future-ready. Our Universal Optical Transceivers offer high quality and cost-efficiency, compatible with any network device. We also provide components for Open WDM Systems, ensuring independence and efficiency in building innovative, vendor-agnostic optical networks.

Salumanus - your helping hand

Salumanus, owner brand GBC Photonics, is a leader in fiber optic networks, delivering top-quality solutions for network operators, data centers, and integrators. Our mission is to support partners in building cuttingedge networks with reliable systems, expert testing, and seamless implementation. The name Salumanus means helping hand in Latin – and that's exactly what we are, providing technology, expertise, and support at every stage of your project.



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