



PRESS RELEASE

II-VI Incorporated
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II-VI Incorporated to Demonstrate 400/800G Transceivers for Next-Generation 25.6T and 51.2T Datacenter Switches at OFC 2021

PITTSBURGH, June 7, 2021 (GLOBE NEWSWIRE) – II-VI Incorporated (Nasdaq: IIVI), a global leader in optical communications components and modules, today announced that it will be virtually demonstrating, at OFC 2021, 400/800G transceivers that will enable next-generation 25.6T and 51.2T datacenter switches.

The demonstration, shown in a video at II-VI's digital booth, will showcase a broad range of transceiver configurations, reaches, and form factors, each supporting the new breakthrough 100 Gbps PAM4 electrical interface compatible with next-generation 25.6T and 51.2T switch ASICs. The density of these 400/800G transceivers will enable 25.6T in a compact 1RU height.

OFC visitors will be able to view at the II-VI digital booth the following three Finisar® transceiver demonstrations:

- **800G-DR8 OSFP and 400G-DR4 QSFP-DD**

II-VI will show an 800G-DR8 OSFP module operating on a link with two 400G-DR4 QSFP-DD modules over parallel single-mode fiber. 800G-DR8 transceivers are also capable of interconnecting with eight 100G transceivers or point-to-point with another 800G transceiver.

- **400G-FR4 QSFP112 and 2x400G-FR4 QSFP-DD800**

II-VI will show a 2x400G-FR4 QSFP-DD800 module operating on a link with two 400G-FR4 QSFP112 modules.

- **400G-SR4 QSFP112**

II-VI will show a pair of 400G-SR4 QSFP112 modules operating on a link. Multimode transceivers and AOCs that use VCSEL technology offer the lowest cost for short-reach optical interconnect applications, a trend that is expected to continue with 800G products. 400G-SR4 transceivers are also capable of interconnecting with four 100G transceivers.

All the demonstrations will show state-of-the-art optical transmission performance with pre-forward error correction (FEC) bit-error rate (BER) margin against the IEEE specification and post-FEC error-rate performance.



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About II-VI Incorporated

II-VI Incorporated, a global leader in engineered materials and optoelectronic components, is a vertically integrated manufacturing company that develops innovative products for diversified applications in communications, industrial, aerospace & defense, semiconductor capital equipment, life sciences, consumer electronics, and automotive markets. Headquartered in Saxonburg, Pennsylvania, the Company has research and development, manufacturing, sales, service, and distribution facilities worldwide. The Company produces a wide variety of application-specific photonic and electronic materials and components, and deploys them in various forms, including integrated with advanced software to support our customers. For more information, please visit us at www.ii-vi.com.

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