

Sumitomo Electric Delivers Highly Integrated Solutions for Future Networks

OFC Los Angeles, CA – March 21, 2017 - Sumitomo Electric Industries, Ltd, a leading global provider of advanced optical solutions, will showcase its next generation optical products at OFC 2017 to be held on March 21-23 in the Los Angeles Convention Center, Los Angeles, CA, USA.

Cloud-based services are driving growth of networks, and data centers are in need for capacity upgrades. With a new generation of high-capacity equipment coming to market, Sumitomo Electric will be ready to deliver hi speed optical 100G optical solutions. Sumitomo Electric will showcase its family of 100G optical devices and modules as well as next-generation 200G and 400G optical products.

QSFP28 ER4 Lite

100G is becoming mainstream in many applications and QSFP28 is the most compact transceiver leading in 100G optical modules. The QSFP28 100G-ER4 Lite transceiver SQF1000EL is designed to address mid-reach MSA Ethernet applications. 100G QSFP28 has 4 x 25 Gig channels, linking distance up to 40 km [at 4.5 W](#). The IEEE standard uses a power-consuming semiconductor optical amplifier (SOA) prior to the PIN photodetector to cover 40 km. The QSFP28 ER4 Lite replaces the SOA and PIN with an avalanche photo diode (APD) and external forward error correction to reduce the power consumption while maintaining the optical link budget.

400G CFP8

Hyperscale data centers need high density to respond to the increase in server bandwidth for client applications. The 400G CFP8 transceiver is compliant with IEEE 802.3bs 400GBASE-LR8/FR8 specifications for links up to 10 km. The SFF4801 series leverages Sumitomo Electric electro-absorption modulated lasers (EMLs) as well as its PIN photodiodes. The 400GE can support 12.8Tb/s on a switch faceplate and is ideal for metro applications between data centers and clients.

QUOTE from Light Counting

"Large data centers are looking for longer-reach 100G switch-to-switch connections in the very popular QSFP28 form factor. Sumitomo Electric's ER4 Lite will offer this desired functionality while consuming modest power," remarked Dale Murray, Principal Analyst, LightCounting Market Research. "In addition, 400G CFP8 transceivers will help launch the new generation of speed while providing necessary reaches."

Sumitomo Electric continues to lead in innovation and technology that help customers with time to market for next generation complex systems. Visit Sumitomo Electric Booth 2703 to learn more

About Sumitomo Electric Industries, Ltd.

Sumitomo Electric Industries, Ltd. was established in 1897. With the history in electric wire and cable manufacturing, Sumitomo Electric has invested heavily over the years in research and development to expand and establish new businesses. These efforts have allowed us to create new products and new technologies, as well as diversify our business fields. Currently, we operate our businesses on a global basis in five segments: Automotive; Infocommunications; Electronics; Environment & Energy; and Industrial Materials. We will continue to contribute to society through environmental friendly and fair business activities globally.

For more information, visit <http://global-sei.com>

Press Contact:

Effie Favreau

Global Marketing

efavreau@sei-device.com