*For Immediate Release*

**Delta Collaborates with Microsoft and the Consortium for On-Board Optics to Develop a POC 12.8Tbps Open Networking Switch**

*Five different optical module form factors successfully integrated*

*into a single 4U platform with 800G* (16 x 50Gbps) *COBO ports at its core*

*TAIPEI, September 3rd, 2020 —* Delta, a global leader in power and thermal management solutions, today announced it has worked with Microsoft and the Consortium for On Board Optics (COBO) on the successful development of a leading-edge proof of concept (POC) open networking switch featuring 12.8Tbps bandwidth capacity as well as the seamless integration of five different optical module form factors in a single 4U rack, including eight ports with the highly promising COBO standard *—* offering up to 800G transmission speed and up to 30 percent energy savings. This innovative POC open networking switch underscores Delta’s capabilities regarding the research and development of next-generation data center infrastructure with leading transmission speeds and energy efficiency for the nascent 5G era.

Mr. Brad Booth, Microsoft’s Principal Network Architect and COBO’s President, said, “We are pleased to see Delta’s expertise in high-efficiency power electronics and in networking systems. Being capable of integrating COBO and other form factors into a single platform has been an integral contribution to this POC project to enable end users to perform hands-on evaluation and testing. Cloud data centers will require the support of networking systems featuring increased transmission speeds and low carbon footprint, and COBO represents a prime opportunity to deliver on these essential requirements.”

Mr. Victor Cheng, Delta’s Senior Vice President and General Manager of its Information & Communications Technology Business Group, said, “With the development of this highly innovative POC COBO open networking switch, we have completed the first phase of a new chapter in the successful collaboration story with our long-time partner Microsoft. The promising energy savings offered by the COBO optical form factor standard align perfectly with Delta’s long-term commitment to energy conservation and lower CO2 emissions, and therefore, we look forward to cooperating with Microsoft and COBO to accelerate the growth of the 5G megatrend with this inventive technology.”

Delta is a Microsoft Gold Certified Partner and Azure Cloud Solution Provider. This collaboration is a great achievement after Delta and Microsoft launched a 5G smart manufacturing solution in June. Delta continually cooperates with Microsoft for the interaction of technology.

Delta leveraged its expertise in telecommunications systems to develop the 12.8Tbps COBO POC open networking switch with five different optical module form factors into a compact 4U rack. These include sixteen ports with the new COBO standard, which boasts up to 800 Gbps transmission speed (16 x 50Gbps) and energy savings as high as 30% when compared to similar peer technologies. The system also includes two 400G QSFP-DD, two 400G OSFP and sixty four 100G QSFP ports. Intel’s 8-core 2.0 GHz D-1548 Broadwell high-performance chip sits at the core of the Delta COBO switch.

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**About Delta**

Delta, founded in 1971, is a global leader in switching power supplies and thermal management products with a thriving portfolio of smart energy-saving systems and solutions in the fields of industrial automation, building automation, telecom power, data center infrastructure, EV charging, renewable energy, energy storage and display, to nurture the development of smart manufacturing and sustainable cities. As a world-class corporate citizen guided by its mission statement, “To provide innovative, clean and energy-efficient solutions for a better tomorrow,” Delta leverages its core competence in high-efficiency power electronics and its CSR-embedded business model to address key environmental issues, such as climate change. Delta serves customers through its sales offices, R&D centers and manufacturing facilities spread over close to 200 locations across 5 continents.

Throughout its history, Delta has received various global awards and recognition for its business achievements, innovative technologies and dedication to CSR. Since 2011, Delta has been listed on the DJSI World Index of Dow Jones Sustainability™ Indices for 9 consecutive years. Delta also ranked a Climate Change Leadership Level by CDP for the 3rd year in 2019.

For detailed information about Delta, please visit: [www.deltaww.com](http://www.deltaww.com)

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