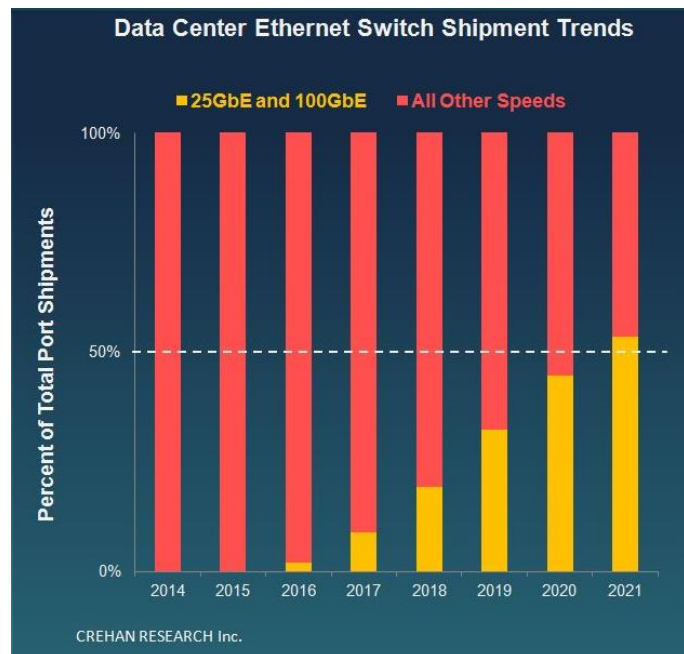


25GbE and 100GbE to Comprise Over Half of all Data Center Ethernet Switch Shipments by 2021, According to Crehan Research

Combined Technologies to Drive Market Beyond \$15B

SAN FRANCISCO, CA, January 17, 2017 — In its latest Data Center Switch Long-Range Forecast Report, [Crehan Research Inc.](#) projects that 25 gigabit Ethernet (GbE) and 100GbE combined will account for over half of all data center Ethernet switch shipments by 2021 (see accompanying figure). The report also predicts that these two technologies will be most instrumental in driving this market beyond \$15B by that time.

“25GbE and 100GbE data center switch adoption is already experiencing exponential growth, with port shipments currently in the hundred-of-thousands per quarter,” said Seamus Crehan, president of Crehan Research. “Volumes would likely be even higher if it weren’t for pockets of supply constraints in certain areas, such as the optical transceivers that uplink and connect many of these switches.”



Some of the factors driving the current strong ramp and expected future high volumes of 25GbE and 100GbE data center Ethernet switching include:

- Very small – and in some cases no – price premium over comparable 10GbE and 40GbE switches, resulting in very substantial bandwidth discounts.
- Higher bandwidth per lane since 25GbE currently uses the same number of lanes as 10GbE and 100GbE currently uses the same number of lanes as 40GbE.
- Compatibility with existing data center fiber cabling.
- Very strong interest, and even some pent up demand, from the largest hyper-scale cloud providers, which can drive significant early volumes and reduce costs even further. Already some of these providers have major artificial intelligence and deep machine learning initiatives.

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data center networking: statistics analysis insights

25/100GbE network architectures, in conjunction with compute and network accelerators, will likely be instrumental in enabling the cost-effective scaling of these types of workloads.

Crehan's latest Data Center Switch Long-Range Forecast Report further predicts that as a result of the strong adoption of 25GbE and 100GbE, SFP-based 10GbE and QSFP-based 40GbE data center switch shipments will decline in 2017. In contrast, 10GBASE-T data center switching is expected to continue growing robustly for some time.

About Crehan Research Inc.

Crehan Research Inc. produces reports with very detailed statistics and information on the data center switch and server-class adapter & LOM/controller markets. The company's reports are supported with rich insights and context to deliver increased value. For more information about Crehan Research Inc. email info@CrehanResearch.com, phone 650-273-8400, or visit www.CrehanResearch.com.

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