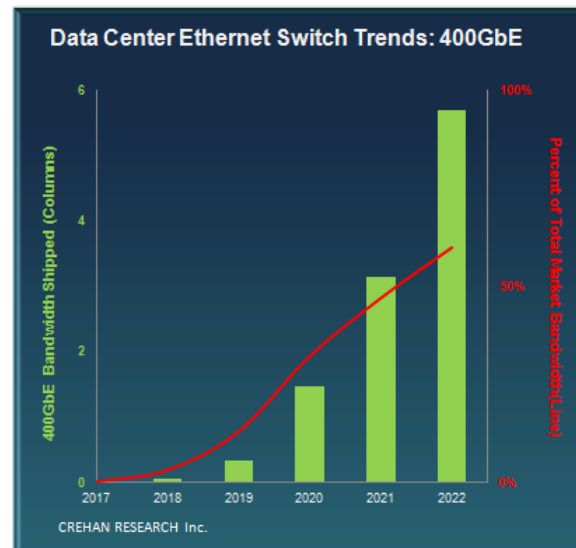


## **400GbE to Drive the Majority of Data Center Ethernet Switch Bandwidth Within Five Years, Forecasts Crehan Research**

*Compelling Pricing Plus Demanding Applications and Architectures Laying the Foundation for Robust Ramp in Adoption*

**SAN FRANCISCO, CA, January 29, 2018** — In its newly published Data Center Switch Long-Range Forecast Report, [Crehan Research Inc.](#) predicts that 400 gigabit Ethernet (GbE) switches will see initial shipments this year and will grow exponentially, driving the majority of data center Ethernet switch bandwidth by 2022 (see accompanying figure).

“Beginning with high-density 100GbE systems, we entered a new era of much faster data center switch upgrades, and that trend is predicted to continue with 400GbE,” said Seamus Crehan, president of Crehan Research. “With its expected market-leading price per gigabit and no foreseeable shortage of demand for higher-speed networking capacity in cloud data centers, 400GbE should surpass a million ports shipped in less time than it took 100GbE to reach that threshold.”



In addition to a strong ramp of 400GbE, Crehan’s report predicts that:

- 400GbE data center switches will offer a bandwidth discount over lower speed switches during the initial year of shipments
- 400GbE adoption will be further bolstered by the arrival of 100G-PAM4 SerDes, likely in the 2020 timeframe, thus reducing the number of lanes required to achieve 400GbE by half – from 8\*50 to 4\*100 – and further lessening the cost and power of these data center switches
- 100GbE shipments will surpass 40GbE shipments during 2018, just three years after the initial shipments of high-density 100GbE data center switch systems
- The overall market average selling price per port for data center switching will remain relatively stable, driven by the adoption of higher-speed switches

**About Crehan Research Inc.**

**CREHAN RESEARCH Inc.**

*data center networking: statistics analysis insights*

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](mailto:info@CrehanResearch.com), phone 650-273-8400, or visit [www.CrehanResearch.com](http://www.CrehanResearch.com).

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