

Accelovant Raises Reliability Bar with Fault-Tolerant Sensor Platform Compliant to EtherCAT® SEMI ETG 5003.2061

Accelovant's newest MPX high-reliability, high-value alternative to conventional fiber-optic converters: SEMI ETG 5003.2061-compliant, modular, fault-tolerant.

NORTH VANCOUVER, BRITISH COLUMBIA, CANADA, February 10, 2026 /EINPresswire.com/ -- [Accelovant](https://www.accelovant.com), an innovative developer of fiber-optic sensing solutions for semiconductor, industrial, critical power, and AI data center markets, announced the launch

of the MPX-EC2, a fully compliant SEMI ETG 5003.2061 modular 'base-station converter' for fiber optic temperature sensing. The MPX-EC2 can accommodate up to 24 sensor channels per unit, EIA-485 Modbus®, 4-20 mA, EtherCAT® ETG 5003.2061, and embedded fault tolerance – making it the most DfR (design for reliability) system available today.



Modular from 1 to 24 Channels

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Everyone in the industry knows converter failures are a chronic headache. The MPX-EC2 offers higher reliability, stronger performance, and superior price-performance in one unified platform.”

Fred Liu, former Intel executive and Director of Quality

Fault-Tolerance and Testing: Accelovant leads by example in demonstrating reliability and design integrity. The MPX-EC2 reliability is demonstrated under Highly Accelerated Life Testing (HALT), during which the unit operated flawlessly under conditions exceeding 200% of its specified limits—maintaining performance well within its intended operating parameters.

“Everyone in the industry knows converter failures are a chronic headache,” said Fred Liu, former Intel executive and Director of Quality. “The MPX-EC2 demonstrates there’s a better path—offering higher reliability, stronger performance, and superior price-performance in one

unified platform.”

[To learn more about fiber-optic sensing](#) solutions from Accelovant, please visit www.accelovant.com.

About Accelovant:

Headquartered in North Vancouver, British Columbia, Accelovant a leader in the technology, design and manufacture of fiber-optic sensing solutions for semiconductor, industrial, IoT, medical, and data center markets. With a vertically integrated approach that combines materials science mastery with deep domain expertise, Accelovant delivers measurement solutions that increase yields, decrease costs, and provides exceptional domain and product support. [Details are available at www.accelovant.com](#).

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