

Auterion Launches Skynode to Accelerate the Development of Enterprise-Ready Products for Drone Manufacturers

*Skynode unifies flight controller, mission computer, and wireless connectivity.
GE Aviation provides a configuration with enhanced high reliability.*



Los Angeles, CA - May 5, 2020 – [Auterion](#), the leading open-source-based software platform provider for enterprise and government drones, today announced the release of Skynode, a first-of-its-kind reference design of a fully integrated and connected family of drone avionics modules.

Offering benefits for manufacturers, Skynode streamlines the process of bringing enterprise-ready drones to market or retrofit existing products by helping to lower costs, save time, and reduce overall risk. Skynode breaks through the complexity of integrating drone hardware and software while leveraging the full capabilities and features of Auterion’s enterprise software platform.

Built by the creators of Pixhawk, the industry’s de-facto standard for drone hardware autopilots, Skynode leverages more than a decade of industry development and experience. It combines the latest Pixhawk flight controller (FMUv5x standard), mission computer, and wireless networking (LTE, WiFi). It also comes pre-installed with the Auterion Enterprise PX4 operating system, providing a comprehensive payload SDK, the communication interface for remote operations, and real-time video over LTE. Skynode also enables obstacle detection and avoidance, VIO positioning, Remote ID, and UTM. Skynode is directly integrated with the Auterion Cloud that enables predictive

maintenance, aircraft and pilot management, compliance reports, and integrations into existing business workflows.

“Built on top of open standards like FMUv5x, PX4, and MAVLink, Skynode with Auterion PX4 enables drone manufacturers to rapidly enter new markets by making their products compatible with an ecosystem of payloads, components, services, and workflow integrations that give companies the tools they need to deploy large fleets of drones,” said Lorenz Meier, co-founder of Auterion.



Skynode will launch in four configurations: an enterprise module, a module certified for U.S. government users, the core board for tighter airframe integration, and a version built by launch partner GE Aviation with Run-time Assurance (RTA) for drone operations that go beyond what Part 107 allows and require special waivers. The Skynode design can also be licensed to Auterion customers to build their own implementations for even deeper integration.

“GE Aviation’s new RTA product, combined with the Skynode reference design, is available to drone manufacturers and operators and will help them meet regulatory requirements for a multitude of BVLOS missions and flights over people including commercial and humanitarian deliveries, mapping and inspections,” said Larry Martin, vice president of Avionics Systems for GE Aviation.

Made in the U.S., Skynode is designed and built with the flexibility to meet ever-evolving standards in the U.S. drone regulatory landscape. Skynode engineering samples are available now upon request. Inquiries about the use of the design can be directed to www.auterion.com/skynode starting today.

About Auterion

Auterion is the leading software platform that powers drones for enterprises and government. Based on open source software, Auterion drives standardization efforts in the PX4 ecosystem. With offices in California and Switzerland, Auterion has raised \$25M in venture-backed funding from investors such as Lakestar, Mosaic Ventures, Costanoa Ventures, and Tectonic Ventures. The company's global customer base includes GE Aviation, Quantum Systems, Impossible Aerospace, and the U.S. Department of Defense. Learn more at www.auterion.com.

Twitter: [@auterion](https://twitter.com/auterion)

LinkedIn: <https://www.linkedin.com/company/auterion/>

YouTube Launch Video: <https://youtu.be/Xzh4txK0LRg>

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