

Sfera Labs Partners with Raspberry Pi and Italtronic to Showcase Open-Source Innovations at Embedded World 2024

[Sfera Labs](#), a leading manufacturer of servers, embedded systems, I/O modules and sensors for industrial automation, IoT and edge computing is excited to announce its participation in Embedded World 2024 - The annual trade fair and conference for embedded systems technology is set to take place in Nuremberg, Germany, from April 9th - 11th, 2024.

This year, Sfera Labs will be exhibiting its products, including the newest [Iono Pi Max v2](#) and [Strato Pi Max](#), at the [Raspberry Pi](#) stand (Hall 3A, Booth 138). Attendees at the event will have the opportunity to learn about Sfera Labs' products and see how they can be used in real-world applications.

Sfera Labs' commitment to innovation and its dedication to providing high-quality, customizable, and user-friendly products have made it a valuable partner of Raspberry Pi. The ongoing collaboration and innovation between the two companies provide developers and users with the tools and resources they need to create robust and reliable embedded systems in a wide range of applications, including building automation, environmental monitoring, and machine control.

[Italtronic](#), a leading company in the design and production of plastic enclosures for electronics, has partnered with Sfera Labs from its early days. This year, Italtronic will display both the [Strato Pi Max XL](#) and the [Strato Pi Max XS](#) enclosures at their stand (Hall 3A, Booth 141).

The Sfera Labs team would like to thank our friends at Raspberry Pi and Italtronic for hosting their products at Embedded!

[The Strato Pi Max](#) is a DIN rail mounted industrial controller incorporating Wi-Fi and BLE wireless connectivity, dual Ethernet ports, dual SD, eMMC and/or SSD storage options and two USB ports. The module supports up to four embedded expansion boards that extend capabilities to encompass serial (RS485/RS232) and CAN bus interfaces, digital I/O, additional wireless connectivity and support for an uninterruptible power supply (UPS). Designed to meet the requirement of the most advanced applications, this powerful module represent an innovative, advanced and cost effective solution for industrial automation.

[Iono Pi Max](#), a Raspberry Pi-based PLC with a CM4S core is the latest example of how Sfera Labs is using the Raspberry Pi platform to develop powerful, flexible and truly open solutions that support the rapid deployment and simplified management of control and monitoring systems across a variety of applications. The Iono Pi Max v2 features a wide range of analog and digital interfaces: four 4 mA to 20 mA and four 0 V to 10 V, galvanically isolated, highly accurate inputs to connect standard industrial probes, as well as two additional inputs specific for Pt100 and Pt1000 temperature sensors. Six digital inputs, accepting up to 30 V signals, let users integrate digital counters and general status signals.

[Embedded World](#) attracts engineers, designers, developers, and executives from companies that manufacture, supply, or use embedded systems and components, providing an excellent opportunity to showcase the latest products, technologies, and innovations. Sfera Labs' participation in this event is a testament to its commitment to innovation and becoming a reference for industrial automation products and services based on innovative, widespread, open-source, community-supported technologies.

For those attending Embedded World 2024, make sure to visit the Raspberry Pi and the Italtronic stands to learn more about Sfera Labs' products and solutions. You can also follow Sfera Labs on [social media](#) to stay up to date with their latest news and updates.

About Sfera Labs

Sfera Labs delivers professional solutions for industrial automation, IoT, IIoT, and edge computing based on open source technologies: industrial Raspberry Pi servers, Arduino PLC modules, programmable environmental sensors, as well as OEM embedded systems products and services.

Sfera Labs technology is used in process control, home & building automation, predictive maintenance, energy management, access control, and fleet management offering industrial-grade certifications and standards for seamless integration between modern platforms (AWS IoT, Azure, Google Cloud, openHAB, NodeRED), industrial software (CODESYS, OpenPLC), and standard protocols (ModBus, CAN, Wiegand, MQTT).

Sfera Labs also offers OEM solutions as well as custom product design and branding, and software development services. The company is dedicated to delivering high-quality, innovative, flexible solutions to meet the requirements of the modern industrial automation market. Visit Sfera Labs at www.sferalabs.cc.

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