

# Danfoss Press Release

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## Danfoss Power Solutions introduces remote service passes for PLUS+1® CS10 wireless gateway

NORDBORG, Denmark – [Danfoss Power Solutions](#), a leading global supplier of mobile and industrial hydraulics as well as electric powertrain systems, has introduced remote service passes for its [PLUS+1 CS10 wireless gateway](#). Remote service passes allow machine technicians to connect remotely to a machine with a CS10 device installed to monitor machine behavior, debug, and update firmware over the air. This reduces machine downtime and eliminates technician travel costs, resulting in high savings potential.

CS10 remote service passes enable technicians to monitor changes in equipment or operation and set alert triggers to notify stakeholders when a change is detected. The passes also enable debugging. Technicians can access the machine's CAN data bus over a remote connection to diagnose issues. Another capability is faster machine prototyping. Original equipment manufacturers can get a machine into the field sooner with the ability to remotely update firmware and software configurations.

Remote service passes work with Danfoss' entry-level CS10 wireless gateway. With these passes, it is now possible to get a global connection by connecting the CS10 device to the internet through a local Wi-Fi hotspot. A single pass lasts for 24 hours and provides unlimited data for virtual service sessions from anywhere in the world using the company's [PLUS+1 Service Tool](#). The pay-per-use model offers flexibility, enabling companies to use a digital service plan as needed rather than pay for a monthly data plan.

"Our CS10 wireless gateway together with the remote service passes is an easy, inexpensive solution to digitalize mobile machines," said Andrej Lawaetz Bendtsen, head of connectivity, Danfoss Power Solutions. "The remote service passes offer a fast and flexible entry point for remote machine servicing, helping OEMs and fleet managers experience the benefits of machine connectivity."

The CS10 gateway and remote service passes are part of Danfoss' PLUS+1 Connect ecosystem, which combines telematics hardware, software infrastructure, and user-friendly interfaces. In addition to the CS10 gateway, Danfoss offers the CS100 and CS500 devices, which offer cellular connectivity.

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Customizable and scalable, PLUS+1 Connect provides the insights for fleet managers, system integrators, and OEMs to reduce machine downtime, increase efficiency, improve performance, and optimize system design.

To learn more, visit the [PLUS+1 Connect](#) webpage.

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### **About Danfoss**

Danfoss engineers solutions that increase machine productivity, reduce emissions, lower energy consumption and enable electrification. Our solutions are used in such areas as refrigeration, air conditioning, heating, power conversion, motor control, industrial machinery, automotive, marine, and off-and on-highway equipment. We also provide solutions for renewable energy, such as solar and wind power, as well as district-energy infrastructure for cities. Our innovative engineering dates back to 1933. Danfoss is family-owned, employing more than 40,000 people, and serving customers in more than 100 countries through a global footprint of 95 factories.

[www.danfoss.com](http://www.danfoss.com)

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