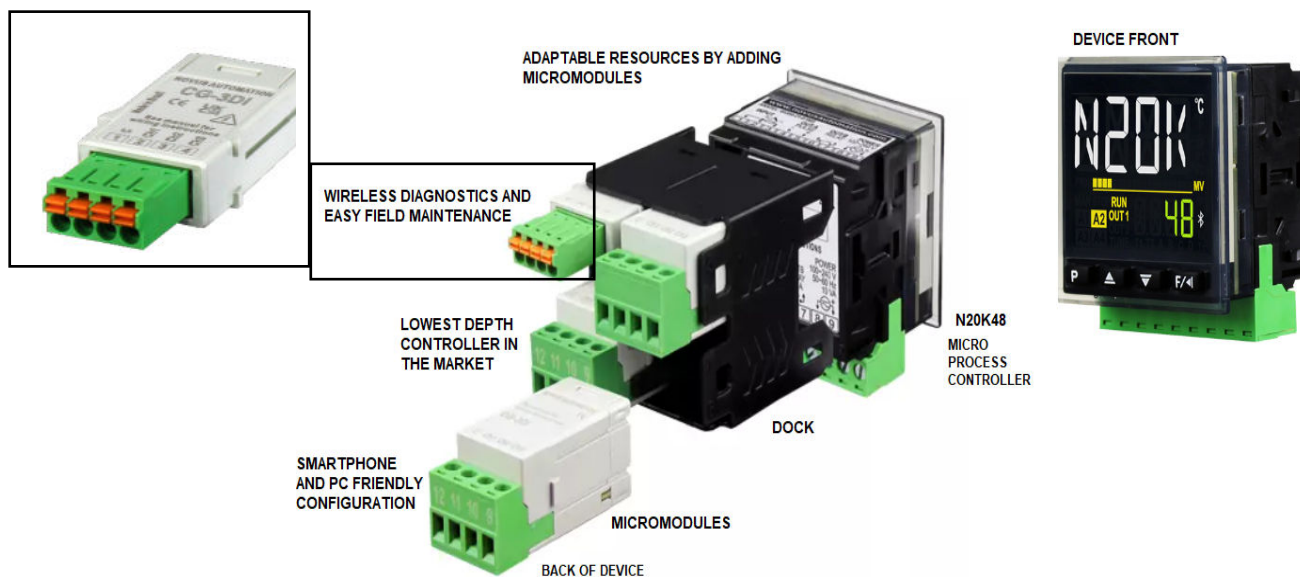


Expanding Controllers with Modules: N20K48 & CG-3DI ClickNGo



The N20K48 IoT Controller represents a new generation of industrial control inasmuch as it's highly modular. Designed for demanding applications such as water treatment, the controller delivers high-precision PID control for parameters like temperature, pressure, humidity, and flow. Its integrated Wi-Fi, Bluetooth, and USB interfaces allow remote monitoring, proactive maintenance, and quick configuration through the intuitive QuickTune software or mobile app. With features like real-time diagnostics, flexible power options, and a rugged IP65-rated enclosure, the N20K48 ensures operational reliability even in harsh industrial environments.

A key advantage of the N20K48 family is its expandable ClickNGo modularity. This design modularity allows seamless expansion through micromodules such as the CG-3DI ClickNGo Module, which adds three digital inputs to the controller. The CG-3DI enhances system capability by allowing connection to a variety of sensors such as PNP, NPN, or dry contact thereby expanding the range of measurable and controllable conditions. Once connected, the module is automatically recognized by the controller, ensuring immediate integration without additional configuration steps.

Adding the CG-3DI module unlocks new automation possibilities, for example; the digital inputs can trigger "Auto Mode," activate alarms, or enable remote setpoint changes in real time. With a fast 15–30 ms response time, it provides immediate feedback for critical control loops. This improved responsiveness supports tighter process regulation, faster fault detection, and smoother operations.

Together, the N20K48 controller and CG-3DI module form a flexible, scalable control platform that simplifies integration, increases automation, and future-proofs industrial processes, all the while maintaining cost-effective performance with user-friendly configuration.

Call us for more information on the N20K48 IoT Controller with expandable modules.

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