

Omron Releases New CP2E Series All-In-One Controller for Compact IoT Applications

Mumbai, June 9, 2020 : OMRON Automation, India's leading supplier of machined automation solutions, has announced the release of its new CP2E Series all-in-one controller that provides advanced control enabling IIoT connectivity for compact machines. The controller improves manufacturing productivity and quality by making it easy to visualize the performance and data of connected machines through simple programming.



Manufacturers are constantly driven to streamline their processes from machine setup to operation and maintenance. Even with compact machines and limited budgets, it's essential to make good use of production data to visualize machine performance and prevent unexpected shutdowns. However, these demands are difficult to meet because they often require an expensive controller to build an IIoT ready system.

The CP2E enables IIoT connectivity for compact machines cost-effectively. It collects machine performance data and shares the necessary information with enterprise networks, while the predefined program data and function blocks allow anyone to set up machines to perform complex control virtually. This dramatically reduces the time required for programming, testing, debugging, and maintenance.

In addition, the CP2E's extended operating temperature range makes it a reliable option for machines in non-manufacturing industries, such as infrastructure and agriculture, where the demand for controllers is increasing. These industries typically use non-standard controllers that customers have to manage and maintain using their own expertise, since environmental resistance as well as IIoT is crucial. The CP2E gives these customers a more user-friendly option.



KEY FEATURES AND BENEFITS :

- **Improved connectivity for Ethernet and serial devices-** The CP2E has two Ethernet ports with Ethernet switching function - host and HMI connectivity. Up to three serial ports are available for open connectivity to serial devices.
- **Reduced effort for the setup of complex machines-** Function blocks make it easy to achieve 4-axis positioning function with linear interpolation, and the CP2E also provides a PID control with autotuning function block for stable temperature control.
- **Simplified troubleshooting-** The CP2E's input/output terminal LED indicators ensure quick and easy root cause identification, while the controller's ability to automatically detect and recover from bit corruption increase machine efficiency and avoids CPU stops.
- **Increased peace of mind-** The CP2E is a reliable "install and forget" solution for demanding environmental conditions, as its extended operational temperature increases reliability in special applications and its battery-free operation reduces maintenance costs.



Industry professionals interested in learning more about this unique solution for compact machine control are encouraged to visit the [OMRON CP2E product page](#).

About OMRON Automation:

Headquartered in Kyoto, Japan, OMRON Corporation is a multi-billion-dollar, diversified company with business units producing industrial automation products, electronic components, healthcare equipment and social system solutions. OMRON Industrial Automation is a global leader providing complete automation solutions for industrial applications. It brings innovation to manufacturing sites through automation with "Integrated", "intelligent" and "interactive" concepts with one of the world's most sophisticated Input-Logic-Output-Robotics + Safety (ILOR+S) technology including the proprietary sensing technology.

OMRON Automation - India, now more than two decades old in the country, caters to varied industrial applications encompassing the wide requirements of packaging, automotive, material handling, solar, food & beverages, digital and panel building applications. The company is focusing on the solution business, including Robotics and IIoT, providing "One Stop" solutions, to improve the overall efficiency on diverse production sites. Focusing on the themes of quality, safety and the environment, they support manufacturing innovation worldwide with their unique sensing & controlling technologies. OMRON is rapidly expanding its operations with focus on all major cities making its presence felt across the country with a strong network of offices, automation centre, training centres, sales & marketing force, application teams, resident engineers and channel partners to address the ever-challenging requirements of the customers. A major factor in OMRON's progress globally & locally has been the strong commitment towards its customers keeping 'Quality First'.

To learn more, please visit: www.omron-ap.co.in , www.omron.co.in



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