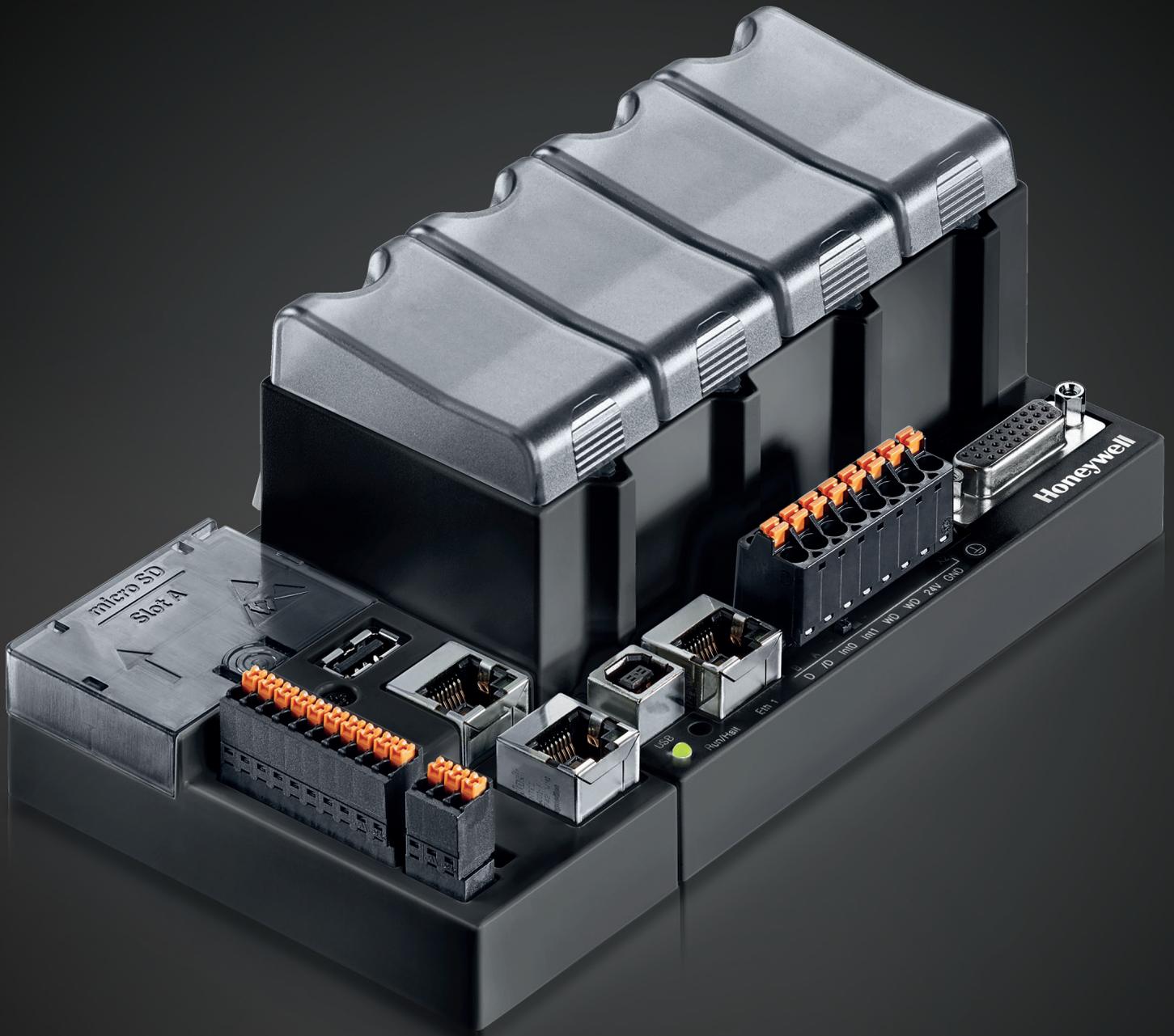


CONTROLLEDGE PCD

Compact, Cyber Secure Control System



Honeywell



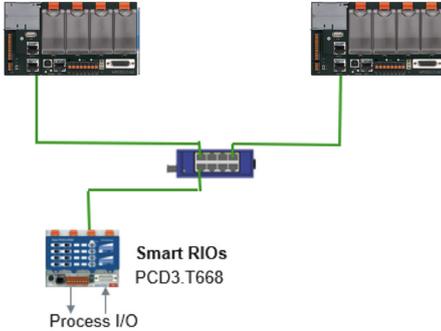
DESIGNED FOR CRITICAL APPLICATIONS

The Honeywell ControlEdge™ PCD provides redundancy, cybersecurity and high-level language programming, and is compatible with PCD3 I/O. Its operating system, which includes all application and communication programmes, is signed and encrypted, allowing operators to prevent unauthorised access to the process-control system. The ControlEdge PCD is programmable according to the IEC 61131-3 industrial standard for application development and supports all languages outlined therein.



POWERFUL AND EFFICIENT ENGINEERING

High-level language programming in accordance with IEC 61131-3 provides greater flexibility. It allows the access to a large community of developers, whose published solutions can be reused with greater ease.



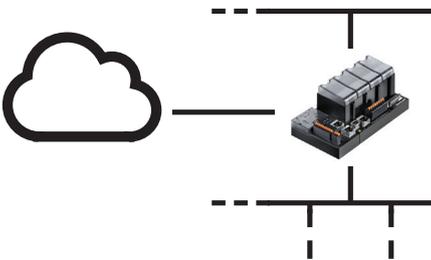
REDUNDANCY

High system reliability and process availability enabled by redundant PLC controller and communication network. Redundant CPU configuration available in separate chassis avoiding any single point failure scenario, keeping the operation running continuously.



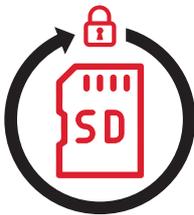
PLC FOR CYBER SECURE APPLICATIONS

Based on industrial automation standard ANSI ISA 62443, its built-in security features ensure a secure connection to the Internet and Cloud, all while encrypting the transfer and storage of data. Furthermore, it relies on modern role-based user management.



MULTI-PROTOCOL SUPPORT IN ONE PLC CONTROLLER

Easy and seamless system integration of up to 14 communication interfaces. Users have full freedom to combine various protocols via IP and serial ports – such as OPC-UA, Modbus, and Profinet. Users can also integrate custom specific protocols by the application program.



ENCRYPTION KEEPS YOUR DATA SAFE

Supports Micro SD cards up to 32GB, providing large storage for user data such as trend logs, alarm and event history, as well as any other information generated during operation. The encrypted file system protects the data against unauthorised access.



COMPATIBLE WITH PCD3 I/O SYSTEM

Full compatibility to PCD3 I/O system provides a robust and reliable operation. PCD3 I/O modules come in cassette form with more than 35 I/O modules available with different functionalities supported in local and remote I/O configuration via Ethernet network..

GENERAL TECHNICAL DATA

1 GByte RAM and 2 GByte Flash for operating system and user program
1 × Socket for user data micro-SD card, max. 32 GByte
2 × Ethernet
1 × RS-485
1 × Socket for PCD7.F1xxS communication modules
1 × CAN galvanic separated
1 × USB Device port for programming and service
1 × USB host
2 × Interrupt inputs
1 × Watch dog relay
Extendable up to 1023 I/O

The combination of modern PLC high-level language programming and state-of-the-art cybersecurity makes the ControlEdge PCD into a universal controller for critical applications and infrastructures.

For more information

To learn more about ControlEdge PCD, visit our website www.honeywellprocess.com/ControlEdgePCD or contact your Honeywell account manager.

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