

# MOD-MCX-PDC-211 MODULAR CONTROL PANEL



Control module (MC4, MC12, MC24), supporting 4 to 24 apps and hardware devices. A modular and evolving approach aligned with your needs.

## Benefits & Advantages

More flexibility – Add, replace, or upgrade your apps without a complete redesign.

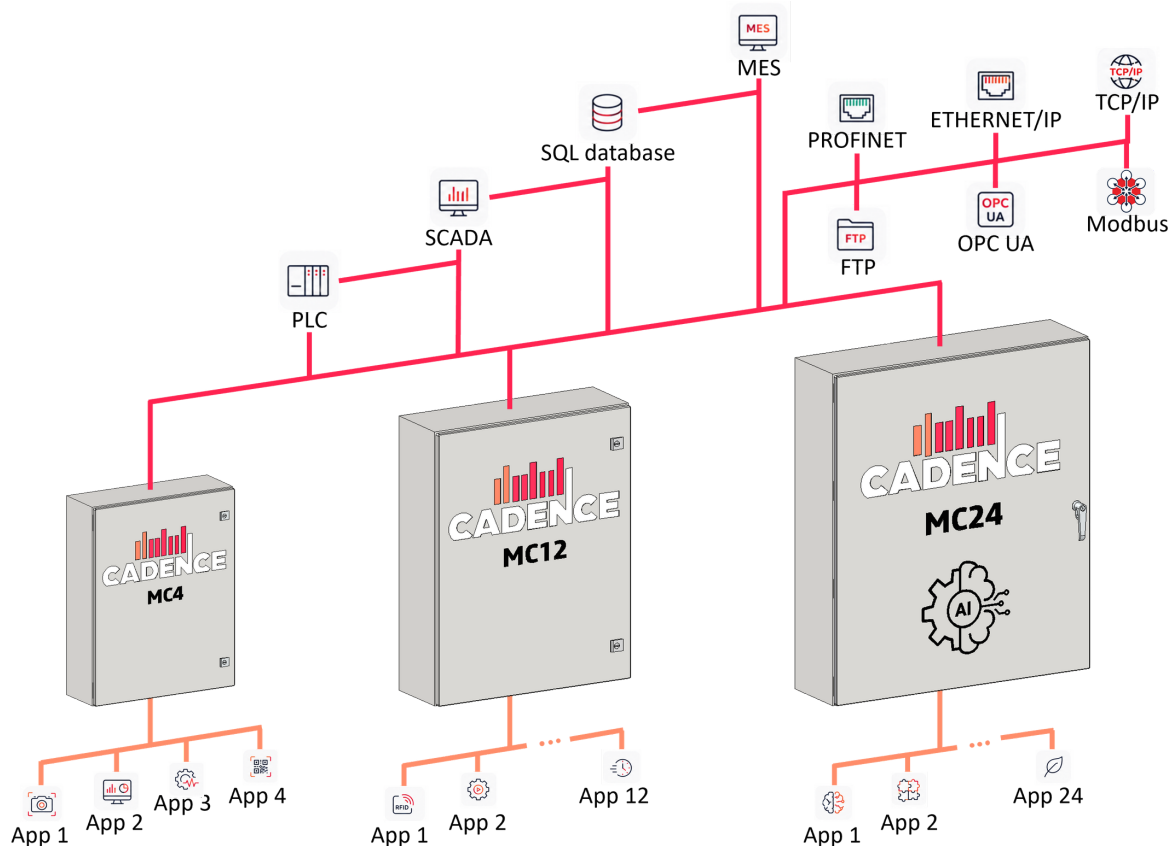
Reduced risk – Standardized, stable, and predictable architecture.

Cost control – Controller and apps that are developed and proven.

Standardization – Less custom development, simplified maintenance.

Fast and easy deployment – Controller and apps that are ready to use and configurable.

## OPEN, COMPATIBLE, MODULAR, AND SCALABLE ARCHITECTURE



# CONTROLLER FOR CONFIGURABLE APPS AND HARDWARE THAT SPEED UP PROJECTS, REDUCE COMPLEXITY, AND ENABLE TEAMS TO WORK INDEPENDENTLY.

| MODELS                           | MC4                                                                | MC12                                                               | MC24                                                                       |
|----------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>FEATURES</b>                  |                                                                    |                                                                    |                                                                            |
| number of channels               | 4                                                                  | 12                                                                 | 24                                                                         |
| Application Capacity             | 4 max.                                                             | 12 max.                                                            | 24 max.                                                                    |
| Integrated AI                    | N/D                                                                | N/D                                                                | Optional                                                                   |
| Compatible Technologies          | 3D, 2D, Edge Learning, OCR, RFID, Traceability, Lidar              | 3D, 2D, Edge Learning, OCR, RFID, Traceability, Lidar              | AI Deep Learning, 3D, 2D, Edge Learning, OCR, RFID, Traceability and Lidar |
| <b>INTERFACE</b>                 |                                                                    |                                                                    |                                                                            |
| Communication Protocol           | Ethernet IP, Profinet, Modbus TCP, OPC UA, TCP/IP, MQTT, HTTP, UDP | Ethernet IP, Profinet, Modbus TCP, OPC UA, TCP/IP, MQTT, HTTP, UDP | Ethernet IP, Profinet, Modbus TCP, OPC UA, TCP/IP, MQTT, HTTP, UDP         |
| Graphical Display                | Web HMI                                                            | Web HMI                                                            | Web HMI                                                                    |
| Digital Inputs                   | Up to 12                                                           | Up to 36                                                           | Up to 44                                                                   |
| Digital Outputs                  | Up to 12                                                           | Up to 36                                                           | Up to 51                                                                   |
| Encoder Inputs                   | Up to 4                                                            | Up to 12                                                           | Up to 16                                                                   |
| <b>MECHANICAL AND ELECTRONIC</b> |                                                                    |                                                                    |                                                                            |
| MC Dimensions (H, W, D)          | 609 mm X 609 mm X 254 mm                                           | 914 mm X 914 mm X 305 mm                                           | 1 524 mm X 914 mm X 305 mm                                                 |
| Weight                           | Up to 36kg (80 lb)                                                 | Up to 80kg (175 lb)                                                | Up to 134kg (295 lb)                                                       |
| Current supply                   | Up to 5A (60hz)                                                    | Up to 10A (60hz)                                                   | Up to 10A (60hz)                                                           |
| Voltage supply                   | 120 VAC, 1ph                                                       | 120 VAC, 1ph                                                       | 120 VAC, 1ph                                                               |
| Apps available power             | 432 W                                                              | 912 W                                                              | 912 W                                                                      |
| Integrated UPS                   | No                                                                 | No                                                                 | Yes                                                                        |
| IP Rating                        | IP67 (IP69 with the SS option)                                     | IP67 (IP69 with the SS option)                                     | IP67 (IP69 with the SS option)                                             |
| Certifications                   | CSA or cUL                                                         | CSA or cUL                                                         | CSA or cUL                                                                 |
| Ambient operating Temperature    | 0 à 40 °C (Contact the manufacturer for other temperatures)        | 0 à 40 °C (Contact the manufacturer for other temperatures)        | 0 à 40 °C (Contact the manufacturer for other temperatures)                |
| Storage Temperature              | -20 à 70 °C                                                        | -20 à 70 °C                                                        | -20 à 70 °C                                                                |

## Examples of Apps & Hardware

High-Definition Inspection of Structural Glass Panels

Inspection of Capsules and Tablets

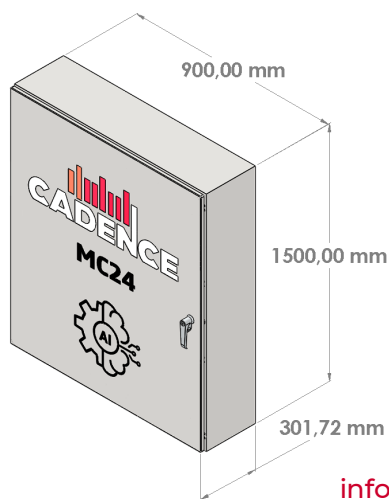
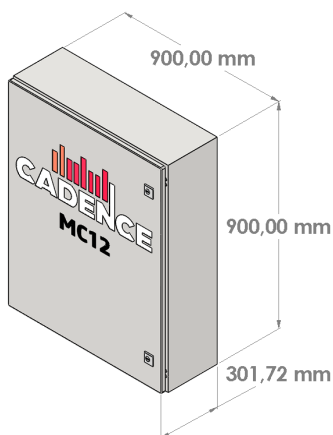
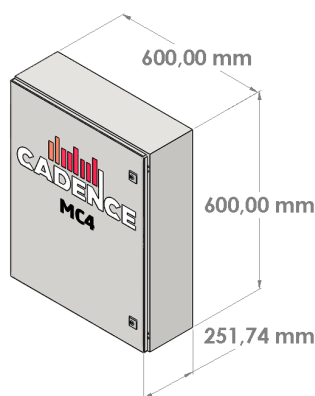
Silo Fill Levels

Contaminant Detection

Asset Identification and Traceability

...

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