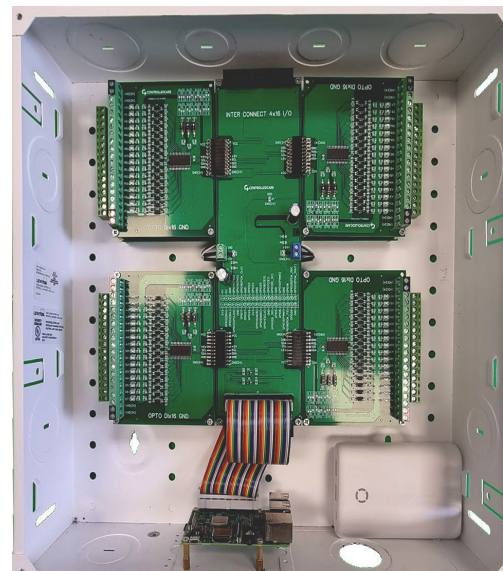# CONTROLLEDCARE

ADVANCED I/O CONTROLLER

Advanced I/O Controller

Fully-featured digital I/O (input/output) control appliance with an innovative solution for creating advanced logic tasks without the need for scripting or complex integrations. Control, monitor, and log up to 248 inputs and/or outputs using an intuitive and easy to use web interface. No additional software required nor programming knowledge necessary.

With its integrated audio input and output, a paging system or a digital annunciator can be deployed with relative ease. Scheduled alerts such as call bells or live messages can be created with a few clicks.

Any equipment that is analog can be digitalized and integrated into modern software using this controller. Deployments such as nurse call systems can be inexpensively upgraded to a modern solution with robust clinical reporting, call escalation, or other government mandated requirements.

EXPANDABLE SOLUTION
Up to 248 configurable input and outputs per controller, with unlimited stacked controllers.

HD AUDIO INPUT AND OUTPUT
Embedded paging adapter with schedule alerts, custom bells and live audio.

EVIDENCE AND REPORTING
Integrates with the latest monitoring, event management and patient care software

ALERTS AND EVENTS
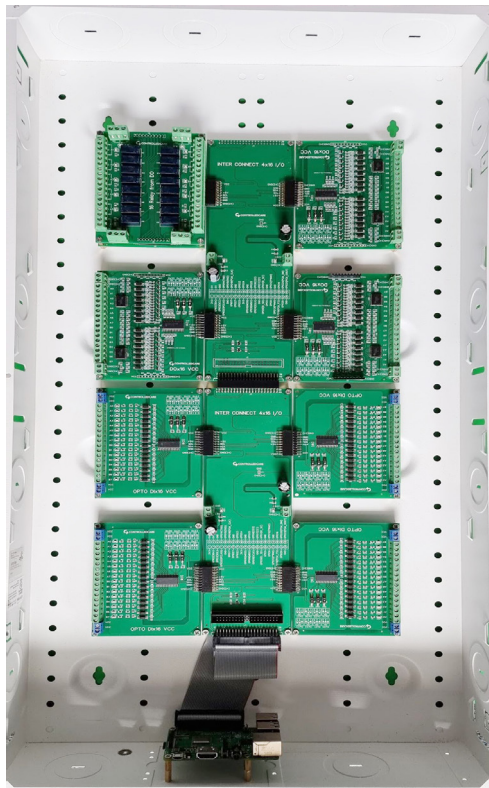All events are supervised and acknowledged using handshake protocols

WEB BASED INTERFACE
Cross platform web-based management.

NETWORK CONNECTIVITY
Connectivity is done using already deployed network cables over LAN or WAN links.

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SPECIFICATIONS

- Up to 248 configurable digital Inputs/Outputs with managed DC auto detection

- Unlimited cluster of controllers in any deployment

- Combination of input/relay controls

- Web based management

- Compatible with all legacy Nurse Call System modes

- Auto detect tones: Pulsing Mode, Toggle, Single Alarm, Momentary and Hold

- Embedded BLE receiver for location and positioning

- Grouping any number of inputs/outputs in any combinations

- Designed to meet specific environmental standards

- Compatibility with API standards of fire panels, PBX, security systems, access control, HVAC, and industrial automation

- Capable of sending over 2000 signals per second

- SIP compatible, HD audio out, PA embedded

- Ethernet or Wi-Fi connectivity

- Power: PoE or from 5V to 48V

APPLICATIONS

- Patient call bell systems

- Digitalize nurse call systems (upgrade)

- Fire panel integrations

- Industrial automation

- Patient monitoring and asset tracking

- Telemetry and access control integration

- Medical code alerts

- Paging system and live annunciator

- Live panel display integrations

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