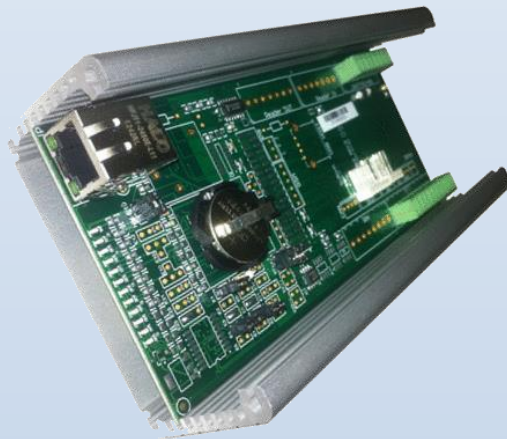


# CR392

## Vending Controller

Access, Vending, I/O, Cash loader and/or communications controller / converter.



[www.softconserv.com](http://www.softconserv.com)

**SOFTWARE CONTROL SERVICES (PTY) LTD**

475 King's Highway  
Lynnwood  
Pretoria, South Africa  
[sales@softconserv.com](mailto:sales@softconserv.com)

26B Woodbridge Bpark  
Koeberg Rd  
Milnerton, Cape Town  
[softcon@softcape.co.za](mailto:softcon@softcape.co.za)

## Control functions

- Stand-alone or system integrated
- 1 Reader, externally expandable
- Batch loading of void and valid cards
- Adjustable latch and door open detection timeouts
- Vehicle detect provides reader enable and vehicle APB
- Egress / override facility
- Card capture, motorized reader / capture interface
- Multiple illegal entry attempts disable reader
- Integrated random search
- Vending control: MDB and Exec protocols
- Integrated reader to output-group control

## Reader and input/output capabilities

- 1 Card reader - Data/clock, Wiegand, Touch or serial (RS232 or RS485).
- Reader connects directly or multiple readers via front-end modules.
- Pin pads and LCDs – and programmer (via front-ends).
- 8 configurable outputs - 1 relay, 7 open collector
- 5 supervised inputs - tranzorb protection
- 3 configurable TTL I/O
- Expansion modules (I2C, SPI, 1-wire)

## Communication options

- TCP/IP (100M)
- USB-2 (host and device)
- 5 serial (RS232 / RS485 / TTL / 20mA)
- Expansion modules (GSM, Wireless, Bluetooth)
- Can serve as LAN controller, with SW keys (dongle), or slave (RS485)
- Communications encrypted
- Reader to serial / USB interface
- Reader to reader converter
- Communications monitor / debug

## Resource specification

- 10k random; 16 hex digit cards with 6 digit PIN
- Buffer of 4k transactions
- 60 time groups, each 15 with 8 time zones
- Time accumulation logging (day / week / month)
- 30 holidays. Time groups with weekday, holiday enable
- Transactions are time and date stamped - NOVRAM
- Real time calendar clock with battery back-up

## Diagnostic and programming tools

- Software watchdog and power dip reset
- 12 diagnostic LEDs display
- Firmware update via TCP
- Configuration via USB

## Cable lengths and types

- Reader to CR392: 8 Core multi-strand Mylar, 0.2mm<sup>2</sup>, with screen; 50 m maximum (Reader dependent)
- CR392 to CR375: 2 Pair twisted multi-strand Mylar, 0.2mm<sup>2</sup> with screen; 2000m total length
- CR392 to 1-wire modules: 2 Pair twisted multi-strand Mylar, 0.2mm<sup>2</sup> with screen; 20m total length
- CR392 to IO 390/1 modules: 8 core multi-strand Mylar, 0.2mm<sup>2</sup> 50cm
- RS485 LAN Cable: 2 Pair twisted multi-strand Mylar, 0.2mm<sup>2</sup> with screen; 2000m total length

## Housing and dimensions

- Housing to requirements
- Aluminium enclosure 165mm x 77mm x 45mm

## Power supply and consumption

- 14 to 40 VDC power source

## Environmental conditions

- Storage Temperature: -20 to 65 Degrees C
- Operational Temperature: 0 to 45 Degrees C
- Humidity: 80% non-condensing

## Interface

