CR393
Internet-Of-Things Controller

SDK

APPLICATIONS

Access
Cash Loader
Comms Interface
Geyser Management
Intrusion
Irrigation
Lift Control
PLC
Vending

Softcon

SOFTWARE CONTROL SERVICES (PTY) LTD

CCS CARD CONTROL SYSTEMS

Sales: info@cardcon.co.za   TEL: 0119073192

System functions

- Stand-alone or system integrated
- Token- Card- Finger reader to output control
- Inputs (contacts, temperature, etc.) to output control
- Real Time Clock, time-out and counting control
- Vending cashless control: I/O, Access, MDB / Exec protocols
- Vending machine management DDCMP/DEX/UCS protocols
- Cash loader
- On-board www
- Integration / configuration of all functions to requirement

Access functions

- Anti-pass back, anti-time back control
- 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 / Cash-loader functions

- Cashless vending – free / quantities per period / subsidies / pre-paid and external payment systems
- Product management with low quantity alarms
- Machine management - alarms / warnings, recipe
- Coin / Note reader

Reader interface

- 1 Card reader (expandable to 4 via front-end modules) Data/clock, Wiegand, Touch or serial (RS232 or RS485)
- Pin pads and LCDs – and programmer (via front-ends)
- 2*20 LCD and 4x4 Keypad on-board

Input/output capabilities, functions

- 6 configurable outputs - 4 relay, 4 open collector
- 8 supervised inputs - tranzorb protection
- Expansion modules (I2C, SPI, RSS485, 1-wire) Expand to 128 Inputs, 64 outputs
- Built in APPs: Intrusion and Lift-control
- Programmable Logic Control (PLC)
- Timers, counters, triggers and events

Communication options

- TCP/IP (100M), USB-2 (host and device)
- 5 serial (RS232 / RS485 / TTL / 20mA)
- On-board modules (GSM, WiFi, smart Bluetooth)
- GPS (location) using GSM.
- LAN controller (TCP / USB / GSM / WiFi / RS485)
- 1-Wire to 8 Output, 8 Digital Thermometers
- Communications encrypted
- Reader to reader and communications converter
- Bootloader FW update

Resource specification

- EERAM, SD card
- > 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
- Video snap-shot via IP cameras

Diagnostic and programming tools

- Software watchdog and power dip reset
- 9 diagnostic LEDs display
- On-line / USB Firmware update
- Configuration via multiple communication channels

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