

## Multi-Purpose Vending System

Finally, a powerful vending controls system that can be used as the stand-alone system, POS, or connected to Kiosk or back-end database/application server system!

### FEATURES

#### Economical

Intelligent secure reliable “Self-service” vending system firm-ware that would reduce the development time to integrate into your system.

#### Powerful design with international currencies in mind

RaptorII is designed to work with configured coin changer & bill acceptor to accept multi-currencies. This system will also automatically convert the different international currency values into main currency value (ex: Euro->USD).

#### Easy to Set up

Raptor II has the ability to configure the parameters to meet your requirements via API, Web or Setup Express (for Windows)!

#### Easy to Use

With many years of vending experience in our products system, it will allow for the turnkey system or easy customization of customer-specific features to be integrated into Raptor II system on request.

#### Remote Access

This system will allow you to access to the services or control via local, or remote, using WiFi or wired Ethernet network, or via your computer smartphone with web browser.

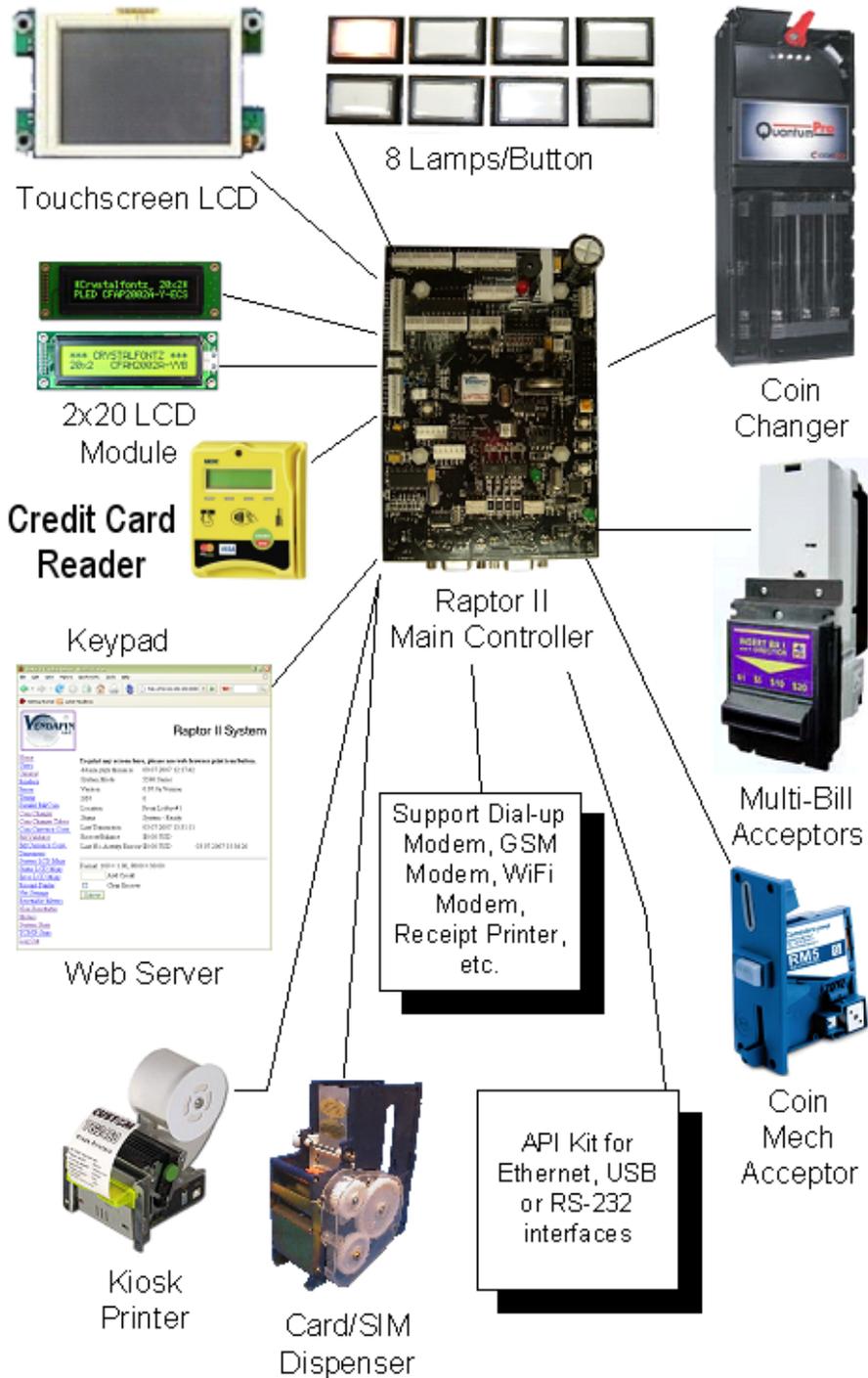
#### Versions:

Multi-Vend Vending  
Pulse-Vend Vending

VENDAPIN didn't just become #1 in the market — we invented it!

VENDAPIN— Real Vend LLC  
Division  
20 Elmcrest Rise  
W. Henrietta, NY 14586

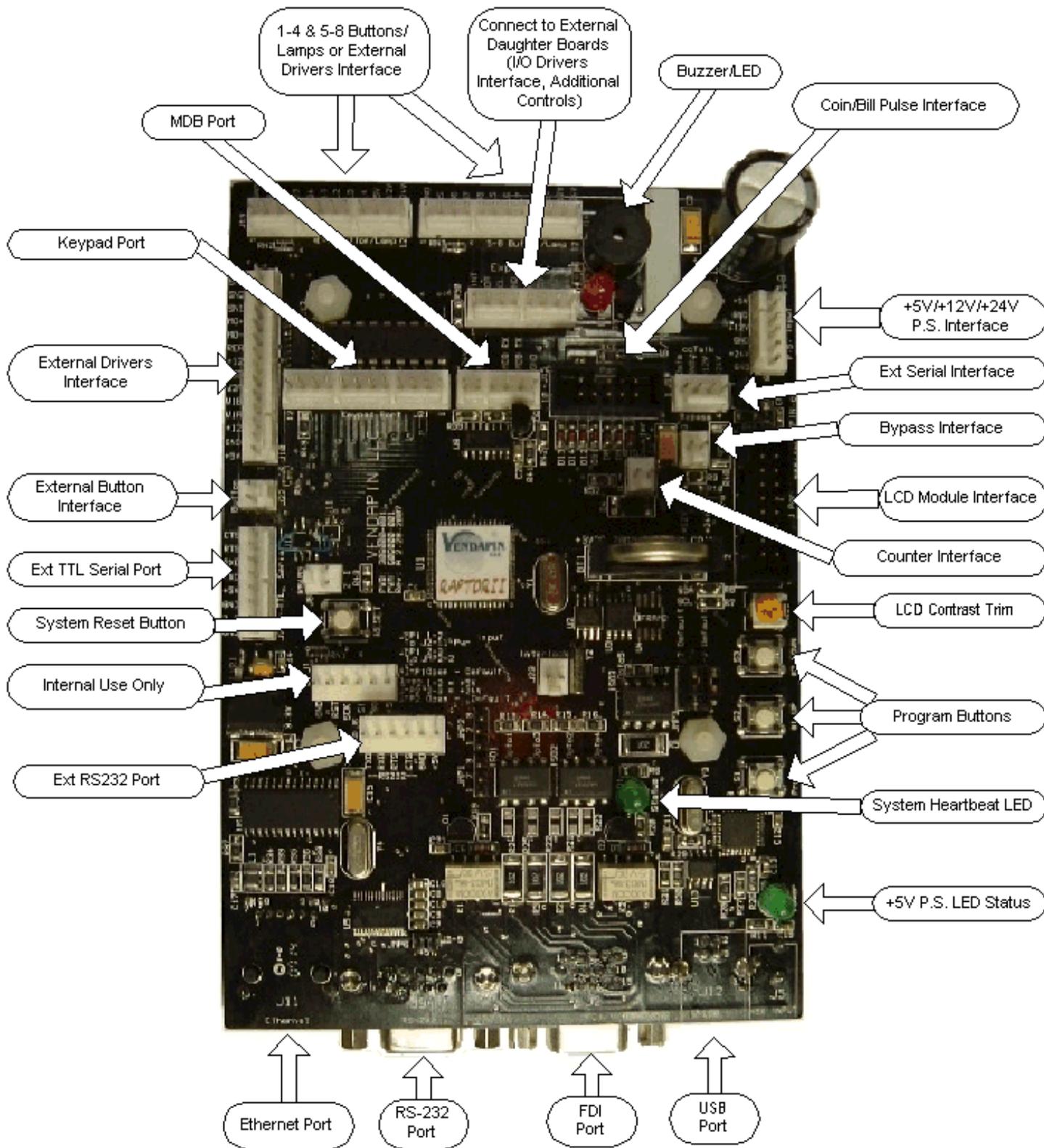
RAPTOR II VENDING SYSTEM



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# Raptor II Interfaces

Raptor II Vending System provides organizations of all types and sizes with flexible, scalable vending solutions for tracking, managing and dispensing the purchased products.



# Raptor II Interfaces

**USB:**

- API interface for communicating to host systems.
- Interfaces to Windows, Mac, Linux and other systems using virtual COM drivers.
- Works with virtually all print vending software
- Acts as slave host for interfacing to credit card based host system

**Full RS-232 Serial Port (D-Sub):**

- Sends receipt details to serial printer
- Communication with copy machines/host PC/ POS based on proprietary serial commands

**10 Mb Ethernet Port:**

- Web interface via username/password
- Web access designed for customization of system settings & parameters
- Web access gives clerk/operator access to the coin-op from their desk through a network
- Network API commands (plain or encrypted) provided for full customization of system settings & parameters

**FDI (Foreign Device Interface):**

- Steering Mode: 16-price capability (Multi-Vend version)
- Standard Mode: 2-prices capability (Multi-Vend version)
- Time Vend Mode: 1 second to 1000 minutes
- Autovend option available
- 12 buttons and 12 driver signals used for vend services (Pulse Vend version)
- All FDI modes allow complete control of vending signals from almost any copier with an enable/copy counter signal interface

**LCD Port:**

- 2x16 or 2x20 LCD modules
- LCD messages configurable via web browser or Setup Express for Windows (USB/RS-232/Ethernet)

**Programming buttons:**

- Configure parameters and system settings

**Bypass Mode:**

- Permits free vends or copies or prints

**MDB Port:**

- Communicates with MDB bill acceptors, coin changers and MDB credit card readers
- Selectable channels to configure MDB devices

**Coin/Bill Parallel Port:**

- 6 lines with inhibit control

**RFID Reader**

- Secure MiFare cards used for cashless or point based vending applications

**Keypad Port:**

- Allows for PIN accounts or item selection

**External Button Port:**

- Used for card reader service and Time Vend applications.

**External RS-232/TTL Serial Port:**

- Expansion port for serial card devices

**Expansion Port:**

- Allows for additional devices such as coin hoppers, banknote dispensers, etc. to be interfaced via multi-external daughter boards that will handle up to 128 I/O ports.
- Comes with +5V/+12V/+24V input lines to power the external devices (spiral motors, etc.)

**Power Supply Input (6 pins):**

- +5VDC (1A for onboard CPU)
- +12VDC (1A+, depending on external devices)
- +24VDC (2A+, depending on external devices)

# Raptor II Features

## General:

- Location info
- No Activity Timer
- No Activity Payout
- Currency symbols (\$,£,¥, or none)
- International currency code (USD, CAD, etc.)
- Pre-Cursor (period, comma or none)
- Max Cash (up to 65000)
- Free change
- Auto change (minimum one vend required)
- Coin return plunger
- Selectable API port (USB is default)
- Copier interface (MODE 0 - default, MODE 1 – Canon, MODE 2 – others)
- Disable
- Bypass/free vend mode
- Real time/date stamp

## Prices:

- 1-16 Prices, based on steering, standard, time vend, item selection or serial mode (12 for PulseVend version)

## Timing:

- Sense, Blind, Reset, Eject Delay and Trailing Edge (Steering & Standard Modes)
- Timer – 1- 65000 seconds per vend (Time Vend only)
- Delay Timer (Time Vend only)
- AutoVend Option (Time Vend only)

## MDB Coin Changer:

- Up to 16 different coins
- Automatic coin tube counters
- Selectable coin values
- Resettable via web or API command without power-cycling
- Displays coin tube balance
- Currency conversion for up to three different countries

## MDB Bill Acceptor:

- Up to 16 bank note values; single, dual, or tri country currencies
- Reset via web or API command without power-cycling
- Currency conversion for up to three different countries

## Parallel Bill/Coin:

- Up to 6 channels
- Currency conversion for up to three different countries

## Readers:

- Debit Card reader
- Bar Code, RFID, or Magnetic Strip Card Reader
- e-Port Credit Card reader
- Pre-Authorize Credit Card value for e-Port transactions

## System, Status and Error LCD Messages:

- Editable LCD messages for 2x16 or 2x20 LCD modules

## TCP/IP Stats:

- Displays TCP/IP stats to facilitate network trouble-shooting

## Receipt Printer Controls:

- Selectable Auto/Manual(Button)/Disabled
- Special header hex chars at start of print job (logo)
- Printer Delay time
- Header/Footer Line Feeds
- 8 Header messages / 5 Footer messages
- Allow for testing the receipt to be sent to printer using the print test receipt button (via web)

## Net Settings:

- IP/Subnet/Gateway Addresses
- Web Port Network Port
- Server IP Address / Port (for accessing to database for account/balance)
- Restart network on request
- Control the services via web browser.

## Web User Accounts:

- Manager Account (access to all system parameters)
- Clerk Account (restricted to post credit and read only)

## Resettable and Non-Resettable Counters:

- Vend Prices 1-16 (12 for PulseVend version)
- Cash, Bills, Coins, Credit Card
- Bypass Vends
- No Activity
- Escrow taken (swallowed)
- PC Cash Debits/Credits
- PC Bypass Vends
- Timestamp for previous resettable counters reset

## System Stats (Resettable/Non-Resettable):

- All Transactions & Invalid Transactions
- Card Swipes
- Transactions via Net/Serial
- Power-ups
- Timestamp for previous resettable stats reset

## Web Browser:

- Post credits/activate specific services.
- Check last transaction date/time
- Verify last no-activity escrow value for refunds
- Check system status
- Clear escrow (manager level only)
- Change settings on the fly (no power-cycling required)

## Copier Interface (Selectable Mode):

- FDI (Foreign Device Interface) assigned as MODE0 (default)
- MODE 1 - 5 for different machines

## Vending Interface (via 8 ports onboard or daughter interface board):

- Sprial Motors
- Coin Hoppers
- Notes Dispensers
- Card Dispensers
- Additional Devices used for specialized control (X-Y stepper motors, etc.)
- External port is designed to support up to 128 I/O ports via 32 ports daughter external board that can be daisy-chained together.