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## Specifications of the CTD-200 Series Card/Ticket Dispenser

**Motor:** 12VDC 3W 90 RPM or 120RPM

**Power Supply Input:** +12VDC & +5VDC for CTD-200 series Dispenser

**Card/Ticket Exit Micrometer Adjustment Gate:** Top performance patented design for easy card thickness adjustment, which can be done by your hands without any tools other than a common Philips screw driver.

### **Interface:**

- Empty/Ready bi-LED optional output connector on the VCB-2
- USB 1.1 B-type port to communicate to Windows (98, 2000, NT, XP) using USB driver (included for CTD-202/CTD-203)

USB Drivers available for the CTD-202 card dispenser:

Windows XP  
Windows Server 2003  
Windows 2000  
Windows ME  
Windows 98  
Linux  
Mac OS X  
Mac OS 9  
Mac OS 8  
Windows CE.NET (Version 4.2 and greater)

- Optional jumper-selectable RS-232 RJ-12 phone jack Serial Port (CTD-203/303)
- Card Dispense Test Button
- PC AT Style DC Power Input: +5VDC & +12VDC (CTD-202 & CTD-203 only)
- Optional LCD Interface
- Optional Custom Extension Magazine, Part Number: TBA

### **Powerful Embedded Micro controller features:**

ATMEL Micro to allow for several features for this card dispenser to:

- Communicate to USB/RS-232 Serial Port (from host PC or controller)
- Control the motor intelligently
- Monitor the card sense signals
- Track of total count for card dispense stored in EEPROM memory

With this reliable powerful micro controller for this card dispenser, it will allow host PC or controller to communicate to CTD-202/203 via simple API commands that would perform the specific functions:

- **Control Send:**
  - Dispense
  - Reset the dispenser
  - Set the Number of retries
- **Status Read:**
  - Empty Status (bi-LED: red)
  - Stuck Status (bi-LED: flashing red)
  - Ready Status (bi-LED: green)
  - Total Dispense Count Meter (up to 100,000)

## Custom Card Specifications for Pantel Systems

Dimensions	Standard	Long Card Size
Length:	115mm	80mm-100mm
Width:	95mm	
Thickness:	0.22mm-2mm	0.22mm-2mm

## CTD-200 Series Dimension Specifications:

Dimensions	Metric
Length:	14.5cm
Width:	13.4cm
Height:	19.5cm
Weight:	1.36 kilogram



## Other Additional Specifications:

Operating Temperature	Storage Ambience	Dispense Cycle Time
-10C ~ +40C	30% ~ 90%	1.5 ~ 2 seconds
Current Consumption	Supply Voltage	Maximum Card Capacity
0.1Amp (idle)	+5/+12VDC for the CTD-202 & CTD-203	200+ depending on the thickness