

CD-108e

CD-108e Series

80mm width

Enhanced Performance

The powerful CCD that you image you to have



1. Excellent value for popular barcode reading

With the rapidly development of computer and communication technology, as a CCD scanner expertise, Birch introduces the enhanced powerful CD-108e CCD barcode scanner. User can easily define all the setup parameters in PC and download it to the reader.

2. Multiple 4-in-1 interface in one scanner

CD-108e is built with Keyboard, RS232, WAND Emulation and USB interface. It supports use replaceable interface cable by RJ45 phone jack; different interface can be interchangeable just by changing cable. It is simplified installation and integration and good to lessen your inventory load.

It supports to connect RS232 interface directly to your PC by Pin 9 with 5V power without external power adapter.

3. User Friendly and PnP design

The Intuitive scanning and plug and play design can be used directly with your computer without additional device.

4. Modular Design

Considering the ease of upgrade and service, CD-108e adopts a modular design. It can be easily upgrade and it is your best choice for SKD (Semi-Knock-Down) business.

4. Optional Functions

- ◆ Data formatting, data can be inserted to the barcode read.
- ◆ Download configuration setting, no Operation Manual is needed for setting. Configuration can be down on a PC and download the result to the unit.
- ◆ Special Communication Command, if a barcode cannot be decoded, the CCD will send a command to Host to report the status.

Ordering Information:

- CD-108eBM: 80mm CCD scanner, Black, PS2
- CD-108eWM: 80mm CCD scanner, Beige, PS2
- CD-108eBR: 80mm CCD scanner, Black, RS232
- CD-108eWR: 80mm CCD scanner, Beige, RS232
- CD-108eBU: 80mm CCD scanner, Black, USB
- CD-108eWU: 80mm CCD scanner, Beige, USB



Technical Specifications

Model CD-108e series

Optical

Width of Window 80mm
Light Source Visible Red light 632nm LED
Sensor Linear CCD Sensor
Scanning Speed 100 scans/sec ±10%
Depth of Field 50mm@20mil/0.5mm, PCS90%
Ambient Light 5000 Lux Max. (Fluorescent lamp) ;
 3000 Lux Max. (Direct sun light)

Reading Performance

All UPC/EAN/JAN; EAN128 Code; Code 39; Code 39 Full ASCII; Code32 / Italian Pharmacy; Code 128; CODABAR/NW7; Interleave 25; Industrial 25; Matrix 25; MSI/PLESSEY; Telepen; Code 93; Code 11; China Postage; Code 26; LCD25; GS1 DataBar Omnidirectional; GS1 DataBar Limited; GS1 DataBar Expanded

Symbologies

Resolution 4mil/0.1mm
PSC 0.45 PCS value

Electrical

Interface PS2, RS232, Wand Emulation, USB
Connector RJ 45C 10Pins
Voltage DC +5V ±5%
Operating Current Approx 75mA
Standby Current Approx 40mA

Environment

Operating Temperature 0°C to 50°C (32°F to 122°F)
Storage Temperature -20°C to 70°C (-4°F to 158°F)
Relative Humidity 20% to 95% (Non-condensing)

Physical

Material ABS Plastic and Rubber
Weight Approx. 1.8g (4.43 oz) without cable
Dimension 174 x 90 x 31 mm

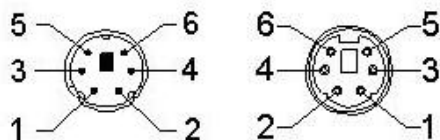
Durability

Drop test 40 inch (100 cm) Drop on Concrete Surface
Life Time Light Source: 40,000 hours; Trigger Switch: 1,000,000 times; MTBF: 80,000 hours

PIN ASSIGNMENTS

Keyboard interface

Mini DIN 6 MALE		Mini DIN 6 FEMAL	
Pin No.	Function	Pin No.	Function
1	HOST DATA	1	KB DATA
3	GND	3	GND
4	Vcc (+5V)	4	Vcc (+5V)
5	HOST CLK	5	KB CLK



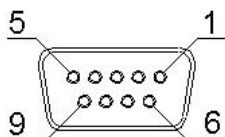
RS-232 interface

DB 9 Female	
Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
9	Vcc/+5V
Power Lead	Vcc/+5V



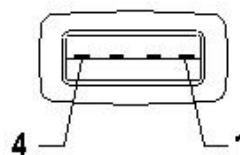
WAND Emulation Interface

DB 9 Female	
Pin No.	Function
2	DATA
7	GND
9	Vcc



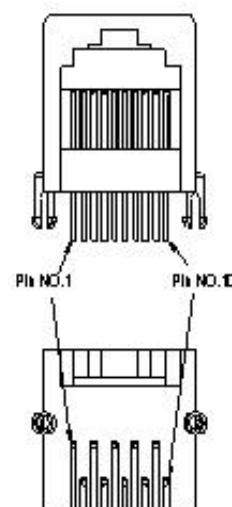
Decoder Data Output (Type RJ45 10P)

Pin No.	Function	Pin No.	Function
1	RTS	6	KB CLK
2	HOST DATA	7	TXD
3	GND	8	KB DATA
4	HOST CLK	9	RXD
5	Vcc (+5V)	10	CTS



USB interface

USB A Type Male	
Pin No.	Function
1	Vcc
2	D-
3	D+
4	GND



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