CPT-8300C Portable Terminal, CCD, 10 MB, 39 keys, without cradle

The CipherLab CPT-8300 series are rugged, versatile, high performance memory data terminals designed for all-day and everyday use. It is powered by a Li-ion rechargeable battery with working time longer than 100 hours. It is supported by a rich set of development tools, “C” and “Basic” compilers. With its integrated Laser/CCD barcode scanning unit, the 8300 series is ideal for batch applications such as inventory control, shop floor management, warehousing and distribution operations.

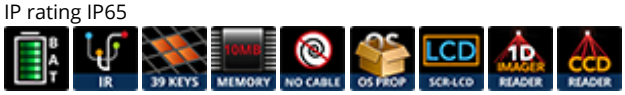
Beside the standard application tools (the Application Generator, the Mobile-Sale, etc.), CODEWARE develops custom-made applications for all CipherLab brand terminals. Feel free to contact us for more information.



The communication cradle is offered in two models, with the plain-character transfer protocol, and the second model with abuilt-in modem protocol.

Features
Operation battery 3.7V Li-ion rechargeable battery, 700mAH.
Backup battery 3.0V, 7mAH rechargeable Lithium battery for SRAM & calendar
Working time over 100 hours for 8300 (batch model); over 20 hours for 8310 (433MHz RF model) and 8 hours for 8350 (2.4GHz RF model)
Dimensions Batch model: 169mm (L) x 77mm (W) x 36mm (H)
RF model: 194mm (L) x 77mm (W) x 44mm (H)
Weight Batch model: 230g (including battery)
RF model: 250g (including battery)
Color Black
Material ABS
CPU Toshiba 16-bit CMOS, tunable clock, up to 22MHz
Program memory 1 M Bytes flash memory is used to store the program code, font, constant data, and so on.
Data memory Batch model (8300): 2M / 4M / 8M Bytes SRAM
RF model (8310/8350): 256K Bytes SRAM
8300L / 8310L / 8350L (Laser) Light source: visible Laser diode operating at 670±15nm
Scan rate: 36±3 scans per second
Scan angle: 42°nominal
Minimum print contrast: 20% absolute dark/light reflectance at 670nm
Depth of field: 5 ~ 95 cm, depends on barcode resolution

8300C / 8310C / 8350C (CCD) Resolution: 0.125mm ~ 1.00mm
Depth of field: 2 ~ 20cm
Width of field: 45mm ~ 124mm
Scan rate: 100 scans/sec
Ambient Light Rejection: 1200 lux (Direct Sun-light), 2500 lux (Fluorescent Light)
Display 128x64 graphic dots FSTN LCD display with LED back-light
Keypad 24 numeric or 39 alphanumeric rubber keys.
Indicator Buzzer: Software programmable audio indicator, 1KHz to 4KHz, low power transducer type.
LED: Programmable, dual-color (green and red) LED for status indication
Communication RS-232: Baud rate up to 115200bps
Serial IR: Baud rate up to 115200bps
Standard IrDA: Baud rate up to 115200bps
433MHz RF: 9600bps data rate
2.4GHz RF: 19200bps data rate
Operating System CipherLab proprietary OS
Programming Tools “C” compiler, BASIC compiler and a Windows-based Application Generator
Accessories Charging / Communication Cradle, RS-232 cable, Keyboard Wedge cable, Power adapter, Li-ion rechargeable battery pack, RF base station
Environment
Operating Humidity non-condensed 10% to 90%
Storage Humidity non-condensed 5% to 95%
Operating Temperature -20 to 60 °C
Storage Temperature -30 to 70 °C
EMC regulation FCC, CE and C-tick, RoHS
Shock resistance 1.2m drop onto concrete
IP rating IP65



Technical Description

Functionality & Operation	
Keyboard	39 keys, with backlight
Operating system	proprietary
Memory	10MB
Display type	LCD, white LED backlight
Data retention	36den
Program memory	2MB
Indicators	Dual-color LED , vibration, programmable buzzer
Communication interface	RS232, USB-HID, USB-VCP
Programmable features	BLAZE C Compiler and BASIC Compiler, FORGE Application Generator,STREAM Wireless studio, MIRROR Terminal Emulator
Optical	
Bar code scanner	CCD
Resolution	128×64 px
Electrical	
Main battery pack	Li-Ion 1800 mAh
Main battery pack operating time	270hod CPT-8300, 20 hr CPT-8370
Mechanical	
Dimensions	Width: 47mm, Height: 170mm Length: 77mm
Weight	290g
Environment	
Operating temperature	-10 to 60°C
Storage temperature	-20 to 70°C
Storage humidity (non-condensing)	5 to 95%
Electrical static discharge	±8kV contact, ±15kV air
Ingress protection	IP65
Others	
Certifications	BSMI, C-Tick, CE, FCC Class A, IC, MIC



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