PT800

Portable Data Collector

A multi-functional portable data collection terminal. Capable for all kind of data acquisition or data processing, featuring a strong RF communication ability.

Product Features

- **Data Acquisition**

  Through a high-performance 1D CCD engine or a RFID engine.

- **Applicable Adaptation**

  An IP54 rating and drop spec of 1.2 meter fall onto concrete secures its' premium quality, also making it dust –and water proof.

- **Wireless Communication**

  Supports GPRS/CDMA for a long-range communication, Supports 802.11b/g for a shorter-range communication.

- **Data Port**

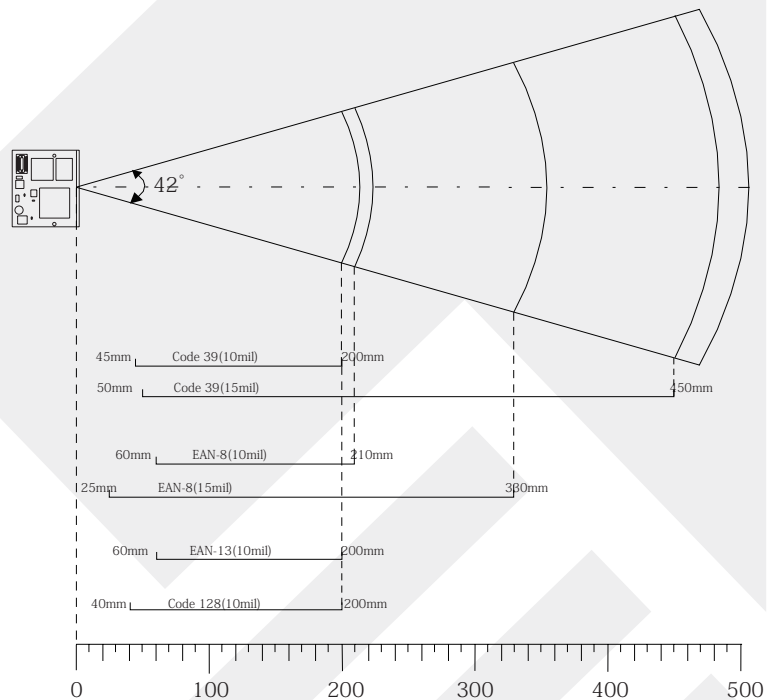 Supports USB slave, RS-232 and IrDA.

- **Development Accessories**

  "uTools" SDK based on Microsoft Visual C++ platform, making it easy developing appropiate applications.

Models

Model	Engine	Wireless
PT853	CCD/Linear	
PT853RG	CCD/Linear	GPRS
PT853RC	CCD/Linear	CDMA
PT853RW	CCD/Linear	Wlan
PT810	RFID	
PT810RG	RFID	GPRS
PT810RC	RFID	CDMA
PT810RW	RFID	Wlan
CD850	Cradle for base unit	

Decode Zones

- **Field of View CCD scan engine**

42°

45mm	Code 39(10mil)	200mm
50mm	Code 39(15mil)	450mm
60mm	EAN-8(10mil)	210mm
125mm	EAN-8(15mil)	360mm
60mm	EAN-13(10mil)	200mm
40mm	Code 128(10mil)	200mm

0   100   200   300   400   500

PT800 Specifications

Specification		PT853	PT810
CPU		ARM7, 32 bit RISC, 74 MHz	
Memory		SDRAM: 8 MB	
		NAND Flash: 32MB, expandable to 128MB	
Display		4 level gray LCD, 160*128 resolution	
Keyboard		23 keys	
MTBF		5000 hours	
Interface	RS232	9.6~115.2kbps	
	USB	Slave1.1	
	GPRS	GSM 900 / 1800 MHz, 85.4Kbps(Max)	
	CDMA	800 MHz, 153.6Kbps (Max)	
	WiFi	IEEE 802.11g, 2.4GHz, DSSS,14dBm, WEP 64/128	
Reading Modes		CCD	RFID
Symbologies		Code128,EAN-13, EAN-8,Code39,UPC-A,UPC-E, Codabar, GS1 Databar, Interleaved 2 of 5,China post 25,ISBN/ISSN,Code93, etc.	Mifare (ISO 14443A) TI(ISO 15693) EM(125K)
Precision		≥4 mi	
Power	Battery	3.6 V Li-battery, 1000 mAH	
	Standby Time	~240 hours	
	Scan Time	>5000 times	
	Adapter	Output: DC 5.6 V, 1.5 A; Input: AC100~240V, 50~60HZ	
	Power Consumption	3.5 W (Max)	
Environment	Operate Temperature	-5°C ~ + 45°C	
	Storage Temperature	-20°C ~ + 55°C	
	Operate Humidity	5% - 90% (no condensation)	
	Storage Humidity	5% - 95% (no condensation)	
Drop		1.2 m drops to concrete	
IP-rating		IP54	
Weight		300 g	
Dimensions		200 mm(L) * 72 (W)mm * 34 (H) mm	
Operating System		uBase III	
Certificates		CE EMC Class B, CCC	

Dimensions (mm)

Accessories

Cradle	
CD850	The Cradle for PT800. It could recharge PT800 and transfer data between PT800 and other device by RS232 .
Flex Cable	
CBL800	This cable connect to the RS232 data port of PT850/PT810. With a standard female RS232 port to connect to standard male RS232 port. With a power port to accept power adapter supply.
CBL800MU	This cable connect to the mini USB Slave port of PT850/PT810. With a standard USB Slave port to connect to standard USB Host port.
Power	
ADP50	The power adapter for PT850/PT810. It can not plug to PT850/PT810 directly, it must connect to CBL800.
BTY800	The Lithium-ion rechargeable battery for PT800.