PT-20
Portable Data Terminal

ARGOX
Empower the Barcode

The PT-20 Portable Data Terminal (PDT) is a high performance wireless handheld mobile data capture device that scans and stores bar code data for upload to computer. The compact, industrial strength PT-20 features a superior scanner, large 4MB RAM and 8MB ROM memory, a color display, and a bold exterior design. Bluetooth capability allows wireless communication with peripheral devices within 30 meters. The PT-20 also supports RS-232 for transmitting data to a variety of devices, as well as USB for high speed transmission.
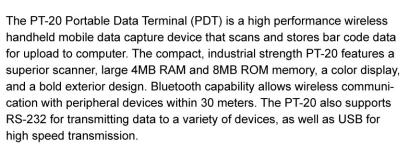
Ideal for intensive commercial uses, the PT-20 is shockproof, dustproof, and waterproof in compliance with IP54. The ergonomic, professional keypad and pistol grip are made of wear-resistant rubber and are comfortable to operate. For dark environments the keypad uses a white backlight, and the PT-20 also vibrates for scanning confirmation in noisy or noise-sensitive environments. A 2.4-inch color LCD screen supports 12-, 16- and 24-dot fonts as well as multiple languages. The PT-20 offers tough connections via Pogo Pin and Cradle and high quality cable connections, so broken connections are not an issue. Rechargeable standard and pistol grip batteries provide extended battery life for longer scanning operation. Accessories include single cradle, four-slot battery charger, holster, and charging and communication cable.

Key Features

- Sharp and bright color TFT QVGA display
- Ergonomic, compact, robust and lightweight
- Bluetooth technology
- 1.2 m (4 ft) drop resistance
- IP54 protection class
- Quick attach handle
- Extremely long operation hours

BlueTooth

RoHS 2002/95/EC

FC

CE

T3A078

CCC

Model	PT-20	PT-2010

Wireless Communication

WPAN	-	Bluetooth Class2, version 1.2

General Characteristics

OS	Proprietary
CPU	ARM9 Core 266MHz
RAM	4MB：8MB/16MB (Optional)
ROM	8MB
Display	2.4" LCD TFT Transmissive, 240 x 320 QVGA 65K colors
LED	Blue, Green and Red
Keypad	29 Numeric
Alert	Buzzer, Vibrator
Dimensions	168.8mm (L) x 70.1mm (W) x 34.0mm (H)
Weight	235g (including battery)

Power

Battery	1) Data collector: Rechargeable 3.7V 1950mAh Li-Polymer Battery 2) Optional Pistol Grip: Rechargeable 3.7V 4400mAh Li-ion Battery
Power	Power supply: DC 5V 3A AC Power 100-240V 0.5A, 50-60Hz, 33-48VA

Scanner

Scanner system	Long Range CCD scanner 2048 pixels
Resolution	0.127mm (5mil) at PCS 90%
Depth of field	600mm (code 39, 20mils, PCS 90%)
Scanning rate	400 scans /sec
Decode capability	Auto discriminates all standard one-dimension barcodes; including GS1 databar

Physical and Environment

Operating Temperature	-10ºC to 60ºC / 14ºF to 140ºF
Storage Temperature	-20ºC to 70ºC / -4ºF to 158ºF
Humidity	Operating: Non-condensed 10% to 90% Storage: Non-condensed 5% to 95%
Drop test	1.2M/4ft (Terminal) 0.9M/3ft (Cradle)/(4 drops per 6 sides)
Sealed standard	IP54
Electrostatic discharge	+/- 15 KV air discharge +/- 8 KV direct discharge
EMC Regulation	FCC, CE, BSMI, CCC

Developing tools

Software	Software Development Kit (SDK), Architect (Application Generator), Argox Daemon
Program Language	C language

Accessory

	Charging & Communication Cable
	Charging & Communication Cradle
	Pistol Grip
	Four Slot Charging Base
	Holster