

# 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



Model	PT-20	PT-2010
<b>Wireless Communication</b>		
WPAN	-	Bluetooth Class2, version 1.2
<b>General Characteristics</b>		
OS	Proprietary	
CPU	ARM9 Core 266MHz	
RAM	4MB	
ROM	8MB	
Display	2.4" LCD TFT Transmissive, 320 x 240 QVGA 65K colors	
LED	Blue, Green and Red	
Keypad	29 Numeric	
Alert	Buzzer, Vibrator	
Dimensions	169.0mm (L) x 70.1mm (W) x 34.0mm (H)	
Weight	235g (including battery)	
<b>Power</b>		
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	
<b>Scanner</b>		
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	
Readable barcode	1D: Code 11, Code 39, Code 93, Code 128, Codabar, EAN 8, EAN 13, Industrial 2/5, Interleaved 2/5, Standard 2/5, MSI/Plessey, UK/Plessey, Telepen test, UPCA, UPCE, Matrix 2/5, China Post, RSS-14, RSS-Limited, RSS-Expanded, Italian Pharmacy test	
<b>Physical and Environment</b>		
Operating Temperature	-10°C to 60°C / 14°F to 140°F	
Storage Temperature	-20°C to 70°C / -4°F to 158°F	
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	
<b>Developing tools</b>		
Software	Software Development Kit (SDK)	
Program Language	C language	
<b>Accessory</b>		
	Charging & communication cradle	
	Pistol grip	
	Charging cable	
	Four slot charging cradle	

