

PA-20

Portable Data Terminal

ARGOX
Empower the Barcode



The PA-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 PA-20 features a superior scanner, large 16MB RAM memory, a color display, and a bold exterior design. The PA-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 PA-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 PA-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 PA-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	PA-20	PA-2010
Wireless Communication		
WPAN	-	Bluetooth Class2, version 2.0
General Characteristics		
OS	Proprietary	
CPU	ARM9 Core 533MHz	
RAM	16MB	
ROM	20MB	
Display	2.4” LCD TFT Transmissive, 240 x 320 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)	
Power		
Battery	1) Data collector: Rechargeable 3.7V 1950mAh Li-Polymer Battery 2) Optional Pistol Grip: Rechargeable 3.7V 5000mAh 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	-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	
Developing tools		
Software	Software Development Kit (SDK), Architect (Application Generator)	
Program Language	C language, basic language	
Accessory		
	Charging & Communication Cable	
	Charging & Communication Cradle	
	Pistol Grip	
	Four Slot Charging Base	