

# PA-20 / PA-21

## Portable Data Terminal

**ARGOX**  
*Empower the Barcode*



The PA-20 series 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 series features a superior scanner, large 16MB RAM memory, a color display, and a bold exterior design. The PA-20 series 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 series 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 series 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 series 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 (optional)
- 1.2 m (4 ft) drop resistance
- IP54 protection class
- Quick attach handle
- Extremely long operation hours



Model	PA-20	PA-2010	PA-21	PA-2110
<b>Wireless Communication</b>				
WPAN	-	Bluetooth Class2, version 2.0	-	Bluetooth Class2, version 2.0
<b>General Characteristics</b>				
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)			
<b>Power</b>				
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			
<b>Scanner</b>				
Scanner system	Long Range CCD scanner 2048 pixels	Visible Laser Diode (VLD) @ 650 nm		
Resolution	0.127mm (5mil) at PCS 90%	0.10mm (4.0mil) at PCS 90%		
Depth of field	600mm (code 39, 20mils, PCS 90%)	295mm (code 39, 20 mils, PCS 90%)		
Scanning rate	400 scans /sec	100 scans / sec		
Decode capability	Auto discriminates all standard one-dimension barcodes; including GS1 databar			
<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			
<b>Developing tools</b>				
Software	Software Development Kit (SDK), Architect (Application Generator)			
Program Language	C language, basic language			
<b>Accessory</b>				
	Charging & Communication Cable			
	Charging & Communication Cradle			
	Pistol Grip			
	Four Slot Charging Base			

