NLS-PT80 Series

Mobile Data Terminal

![Newland logo]

This durable industrial portable terminal adopts Linux operation system and Microsoft Virtual Studio 2005 embedded add-on kits. The 8 level gray monochrome screen and large keyboard design strengthens its economy and practicability. IP54 design could be applied widely, such as in light industry, retailing, warehouse, logistics and distribution center.

Product Features

- **High Performance**

  400MHz High-speed CPU.

- **Wireless Communication**

  Supports WiFi(IEEE 802.11 b/g)/Bluetooth.

- **Data Transmission**

  Plug and Play mechanism supports direct data transmission with PC without any driver pre-install.

- **Large Memory Capacity**

  32MB SDRAM / 128MB FLASH (80MB for user storage).

- **Industrial Design**

  IP54 sealing, 1.2m drop protection.

- **Software Kit for Common Applications**

  Integrated with many software utilities for common applications, greatly reducing the development cycle and providing great convenience for user.

Specifications

Performance		
Processor	ARM9 400MHz CPU	
Operation System	Linux compliance operation system	
Memory	32MB SDRAM 128MB FLASH (80MB for user area)	
Interface	RS-232, USB 1.1, support USB charge	
Physical		
Dimensions (L x W x H)	168.5 x 65 x 39.5 mm / 6.6 x 2.5 x 1.5 inch	
Weight	270g (Including battery)	
Display	8 level gray monochrome screen, 160 x 160 resolutions	
Keyboard	26 Keys Numeric with auto backlight	
Notification	Vibrator, Speaker and LED	
Battery	Main	3.7V, 2300mAh, Rechargeable Li-Polymer battery
	Backup	3.7V, 150mAh, Rechargeable Li-Polymer battery
Power Adaptor	Output: DC5V, ≥1.5 A; Input: AC 100~240V, 50~60Hz	
Environmental		
Operation Temperature	-10℃ to 50℃ (14℉ to 122℉)	
Storage Temperature	-20℃ to 60℃ (-4℉ to 140℉)	
Humidity	5% ~ 95% (non-condensing)	
Static Discharge	±14 kV (Air discharge), ±8 kV (Direct discharge)	
Drop	1.2 m drop to concrete	
Environmental Sealing	IP54 sealing	
Barcode		
1D Laser (≥ 6 mil) **1D CCD (≥ 4 mil)**	Code128, EAN-13, EAN-8, Code-39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93… etc.	
2D CMOS (≥ 5 mil)	ALL 1D and PDF-417, QR Code, Data Matrix, Maxicode, Azte, etc.	
Wireless		
WLAN	IEEE 802.11 b/g, security support EAP, WEP, WPA, WPA2, 802.1X	
WPAN	Bluetooth 2.1 + EDR	
Application Tool Kits		
Support Microsoft Virtual Studio 2005 Embedded add-on kits and Emulation tool		
Certificates		
FCC Part15 Class B, CE EMC Class B, CCC		
Accessories		
Cradle, Battery, Adaptor, USB cable		

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