

NLS-MT70 Series

Mobile Data Terminal



The multi-functional and IP65 rugged industrial mobile data terminal, with 3.5" sunlight readable screen, adopts Microsoft Windows CE.NET 6.0 operation system, as well as high-speed CPU of Marvell XScale PXA310 806MHz, 2GB large user flash memory and the module design provides convenience for customization. MT70 supports WiFi/Bluetooth/GSM/GPRS wireless communication, is quite suitable for applications such as warehouse, logistics, parking, delivery etc.

Product Features

- **High Performance**
Marvell XScale PXA310 806MHz High-speed CPU.
- **Wireless Communication**
Supports WiFi/Bluetooth/GSM/GPRS.
- **Large Memory Capacity**
256MB RAM 128MB ROM, extra 2GB flash memory for user storage area.
- **Large Display Screen**
The large 3.5" touch screen gives visual enhancement and support outdoor sunlight readable.
- **Application Protection Mechanism**
Vendor ID Application Protection Mechanism to protect the applications developed by Vendors.
- **Software Kit for Common Applications**
Integrated with many software utilities for common applications, greatly reducing the development cycle and providing convenience for user.

Specifications

Performance		
Processor		Marvell XScale PXA310, 806MHz CPU
Operation System		Microsoft Windows CE.NET 6.0
Memory		256MB RAM
		128MB ROM for system area
		2GB flash memory for user storage
Interface		RS-232, USB 2.0, support USB charge
Physical		
Dimensions (L x W x H)		170.5 x 85 x 54 mm (6.7 x 3.3 x 2.1 inch)
Weight		454g (Including battery)
Display		3.5" QVGA with backlight TFT Touch screen LCD, support sunlight readable
Keyboard		33 Keys Numeric with backlight (QWERTY optional)
Notification		Vibrator, Speaker and LED
Battery	Main	3.7V, 3300mAh Rechargeable Li-Polymer battery
	Backup	3.7V, 150mAh Rechargeable Li-Polymer battery (support 50hours data backup)
Expansion		MicroSD memory slot
Power Adaptor		Output: DC 5V, ≥ 1.5A; Input: AC 100~240V, 50~60Hz
Environmental		
Operation Temperature		-10℃ to 50℃ (14°F to 122°F)
Storage Temperature		-20℃ to 60℃ (-4°F to 140°F)
Humidity		5% ~ 95% (non-condensing)
Static Discharge		±15 kV (Air discharge), ±8 kV (Direct discharge)
Drop		1.5 m drop to concrete
Environmental Sealing		IP65 sealing
Barcode / RFID		
1D Laser (≥ 6 mil)		Code128, EAN-13, EAN-8, Code-39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5,
1D CCD (≥ 4 mil)		ISBN/ISSN, Code 93, etc.
2D CMOS (≥ 5 mil)		ALL 1D and PDF-417, QR Code, Data Matrix, Maxicode, Aztec, etc.
RFID		HF 13.56MHz, UHF 2.4GHz
Wireless		
WLAN		Summit IEEE 802.11 b/g, security support EAP, WEP, WPA, WPA2, 802.1X
WWAN		GPRS/WCDMA (850, 900, 1800, 1900, 2100 MHz), WCDMA support GPS/AGPS function
WPAN		Bluetooth Class II V2.0
Certificates		
FCC Part15 Class B, CE EMC Class B, CCC		
Accessories		
Cradle, Battery, Adaptor, USB cable, Stylus Pen		

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