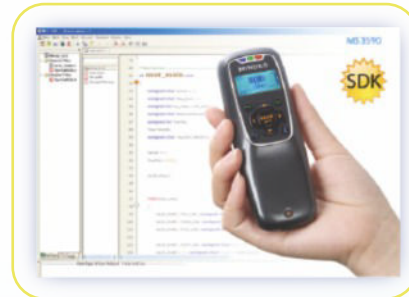


MS3590

MINDEO®

Lightweight programmable data terminal



- A SDK based on C is provided including user-friendly IDE & fully functional APIs
- Compact size and portable design contributes to excellent mobility
- Bluetooth protocol supports both HID and SPP, and is compatible with iOS, Android and Windows OS
- Wi-Fi is compliant with IEEE 802.11b/g/n standards. Wi-Fi supports Station mode and Access Point (AP) mode. Wi-Fi Protected Setup uses WEP, WPA-PSK, WPA2-PSK encryptions
- Free switching between popping up and hiding the on-screen keyboard on Apple iOS devices
- Support database importing and querying
- Multi-line screen (128 x 64) with backlight
- High capacity storage: 16MB in Batch mode, 96MB in U-Disk mode
- Battery (1900mAH) life for 9 hours of continuous use/ 12 days standby
- Read all major 1D and 2D symbols
- Read symbols from mobile phones/ inverse symbols/ DPM symbols

MS3590 Technical Specifications

Connectivity

Radio link	Bluetooth [®] : 2.4 ~ 2.5GHz (ISM band), Bluetooth V2.1+EDR, class 2 Wi-Fi [®] : 2.4GHz compliant with 802.11b/g/n protocol standards
Working Mode	Bluetooth [®] : HID Keyboard, Serial Port Profile (SPP) Wi-Fi [®] : Station mode, Access Point mode
Working range	Bluetooth [®] : 30 meters (line of sight) Wi-Fi [®] : 100 meters (line of sight)

Mechanical

Dimensions	Length × Width × Depth: 12.5 × 4.6 × 3.1 cm
Weight	128g
Color	Grey/ Black/ White/ Customization
Case material	ABS
Indicator	Beeper, LED, Vibrator
Display	LCD monochrome display (128 × 64) with LED backlight
Interface	USB HID keyboard, USB virtual COM, U Disk (96 MB)

Electrical

Input Voltage	4.75V – 5.25V
Operating current	Bluetooth [®] : 5mA (sleeping), 280mA (operating) Wi-Fi [®] : 3mA (sleeping), 306mA (operating)
Battery	1900 mAh Lithium-ion battery Charge current: 560 mA Charge time: Fully charged (>80%) in 4 hours Standby time: 12 days Operating time: 9 hours based on 1 scan/5 seconds

Scan Performance

Image size	838 × 640 pixels
Scanning angle	±60°, ±40°, 360° (Skew, Pitch, Roll)
Decode capability	<p>1D: UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5 (Discrete 2 of 5), Matrix 2 of 5, Codabar (NW7), Code 128, UCC/EAN 128, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, China Post, China Finance, GS1 DataBar (formerly RSS) variants, Telepen</p> <p>2D: PDF417, MicroPDF417, QR Code, DataMatrix, Han Xin Code, Aztec Code</p>

	High Density Series (HD)		Standard Range Series (SR)	
Decoding depth	3mil Code39 (3B)	40mm - 68mm	4mil Code39 (9B)	65mm - 94mm
	13mil UPC (6B)	11mm - 175mm	10mil Code39 (3B)	17mm - 219mm
	20mil Code39 (1B)	13mm - 231mm	13mil UPC (6B)	11mm - 243mm
	5mil QR (40B)	33mm - 65mm	20mil Code39 (1B)	13mm - 378mm
	6.7mil PDF417 (20B)	26mm - 106mm	6.7mil PDF417 (20B)	40mm - 111mm
	10mil QR (20B)	14mm - 123mm	10mil QR (20B)	22mm - 141mm
	10mil DM (20B)	13mm - 128mm	10mil DM (20B)	29mm - 160mm
	20mil QR (20B)	20mm - 191mm	20mil QR (20B)	20mm - 283mm

Environmental

Temperature	-20° to 55°C (-4° to 131°F), Operating; -40° to 70°C (-40° to 158°F), Storage
Humidity	5% to 95% (non-condensing)
Safety	Laser safety: EN60825-1, Class 1. (For aiming pattern.) EMC: EN55022, EN55024 Electrical safety: EN60950-1 Photobiological safety: EN62471:2008 Illumination: 0~100,000LUX Drop resistance: 10 times of 1.2m (3.96ft) drop to concrete Protection class: IP65 Environmental: RoHS compliant

Note: Bluetooth and Wi-Fi are optional (Alternative).