MT8225HF 2D/HF Handheld Scanner

Experience high-speed scanning and error-free decoding with MT8225HF, compliant with HF standards and supporting popular RFID chips. Rapidly capture 1D & 2D barcodes, even in various orientations, with superior accuracy. Built with anti-microbial technology, it ensures hygienic healthcare scanning. Its rugged design offers industrial-grade protection, while the user-friendly interface and multiple feedback options enhance the scanning experience.

Improving Medical Safety and Efficiency

- IP55 industrial-class dust and water resistance
- JIS Z 2801/ISO22196 medical-grade disinfectant-ready housing
- Supports visual, audible and haptic feedbacks
- Supports all HF standards including ISO 14443A/B, ISO15693 and NFC
- Supports all 1D and 2D barcodes including GS1 UDI and Dotcode

Easy and Flexible Operations

- Indicators: Buzzer, LED, Vibrator
- Cable: 3M Coiled USB Cable
- Interfaces: USB HID/ USB VCP

RFID Performance	
Frequency	13.56MHz
Standard	ISO 15693, ISO 14443A, ISO 14443B
Read Mode	Single Read
Typical Reading Distance	ISO 14443 : 0 ~ 65mm, ISO 15693 : 0 ~ 80mm

Optic & Performance	
Light Source	White LED, visible red LED
Sensor	640 x 480
Resolution	3Mil / 0.075mm
Scan Angle	Horizontal 43°, Vertical 33°
Pitch / Skew / Roll Angle	±55° / ±55° / 360°
Print Contrast Ratio	10%
Width of Field	176 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil : 42 ~ 357 mm QR Code 15 Mil : 31 ~ 253 mm

Physical Characteristics	
Dimension	W42.5 x L102 x H21.5 mm
Weight	193g
Color	White
Material	PC
Connector / Cable	USB Type A / USB Coiled Cable, 3M
Trigger	Scan Button x 2
Indicator	LED, Buzzer, Vibrator

Electrical	
Operation Voltage	5.0 VDC ± 5%
Working Current	< 250mA
Standby Current	< 80mA

Connectivity	
Interface/ Profile	USB HID, USB VCP

User Environment	
Operating Temperature	-10 ~ 55°C
Storage Temperature	-20°C ~65°C
Humidity	0%~95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP55
Ambient Light	100,000 Lux (Sunlight)
1D	Code 128, EAN-13, EAN8-, UPC-E, UPC-A, ISBN, ISSN, Code 11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI Plessey, GS1 Databar, Febraban, Composite
2D	QR Code. Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, HanXin, Dotcode

Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	TBA
Safety Approval	TBA
Environmental	WEEE, RoHS 2.0
Medical Compliance	ISO 22196 (JIS Z 2801), ISO 11737-1/2

＊All specifications are subject to change without notice.

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GOOD DESIGN AWARD

COMPUTEX d&i awards

Golden BC AWARD