Handheld Scanner

MT8250 2D Handheld Barcode Scanner

MT8250 is a 2D handheld scanner designed to achieve the efficient and affordable barcode scanning solution. MT8250 decodes major 2D barcodes as well as all major 1D barcodes. This reliable, cost-effective handheld scanner is an ideal choice for a variety of applications, including access control, ticketing, manufacturing and mobile payment.

- Read all major 2D barcodes in the market
- On-screen barcode scanning capability
- Ruggedized design and 1.5M drop resistance
- Ideal for Indoor and Outdoor Applications

Snappy 1D & 2D Barcode Data Capture

MT8250 2D handheld barcode scanner delivers superior scanning in any orientation, which benefits enterprise with less downtime and increased productivity. At an average of 1/10 seconds, MT8250 scans all linear barcodes and major 2D barcodes printed on labels with either matte or glossy surface, or displayed on mobile phone or LCD screen.

Ruggedized Protection

The industrial-class design of MT8250 2D handheld barcode scanner includes ruggedized protection with 1.5 meters drop resistance and a rubber bezel in the front which ensure that MT8250 withstand the impact of everyday drops and bumps and prevent the scanner window from any damage or scratch in the harshest working environments.

Free from Environmental Interference

MT8250 2D handheld barcode scanner is ideal for both indoors and outdoors scanning applications which require more immunity for ambient light.
By automatically adjusting its parameters for optimal scanning performance MT8250 2D handheld scanner provides the freedom to scan barcodes from under complete darkness to direct sunlight.

On-screen Barcode Scanning

With enhanced optical design and latest decode algorithm, MT8250 virtually scans all 1D and 2D barcodes on any surface, either paper-based label or mobile phone display. As a result users may expand their business into many new applications such as eCoupon, eTicket, Digital ID cards and mobile payments.

Specifications

Optical & Performance	Light Source	white LED, visible red LED bar
	Sensor	1280 x 800
	Scan Rate	120 Frames/Sec
	Resolution	3mil/ 0.075mm
	Scan Angle	Horizontal 40°, Vertical 30°
	Pitch Angle	±60°
	Skew Angle	±70°
	Roll Angle	360°
	Print Contrast	25%
	Width of Field	141mm (13Mil Code39)
	Typical D.O.F* (@ 800 Lux)	Code39 5 Mil : 22 ~ 216 mm UPC/EAN 13 Mil : 30 ~ 398 mm QR Code 15 Mil : 20 ~ 235 mm PDF417 6.67 Mil : 29 ~ 149 mm Data Matrix 10 Mil : 26 ~ 145 mm
Physical Characteristics	Dimension	L166 x W71 x H84 mm
	Weight	172g
	Color	Black or White
	Material	ABS
	Connector	USB Type A
	Cable	2.1M (Fixed Cable)
	Trigger	Scan Button
	Indicator	LED, Buzzer
Power	Operation Voltage	5.0 VDC
	Working Current	< 370mA
	Standby Current	< 70mA
Connectivity	Interface/ Profile	USB HID, USB VCP
User Environment	Operating Temperature	-20 ~ 50°C
	Storage Temperature	-20 ~ 65°C
	Humidity	0% ~ 95%RH (Non-condensing)
	Drop Durability	1.5 M
	Sealing	IP42
	Ambient Light	70,000 lux (Sunlight)
Decode Capability	1D Symbologies	UPC-A/ UPC-E, EAN-8/ EAN-13, ISBN, ISSN, Code 128, GS1-128, Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Codabar, MSI, GS1 Databar, ISBT, Febraban
	2D Symbologies	QR Code, Data Matrix, PDF417, MicroPDF417 Aztec, MaxiCode
Regulatory	ESD	Functional after 4KV contact, 8KV air discharge
	EMC	FCC Part 15B Class B, CE EN55032/35
	Safety Approval	EN/IEC62471 (Exempt Group)
	Environmental	RoHS 2.0

* All Specifications are subject to change without notice.

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