MTB24 Mobile Computer/ Smartphone Scanner

MTB24 Mobile Computer/Smartphone Scanner is a portable, plug-and-play miniaturized barcode scanner that connects with app via USB Type-C port, instantly turning smartphone into business-class data terminal. With built-in 2D scan engine helping user capture barcodes with ease, MTB24 decodes barcodes with upgradeable, future-proof software application which delivers the same performance as that of business-class data terminal.

Increasing Mobile Productivity

• Business-class scanning performance.
• On-screen barcode readability.
• On-screen Button (ScanKey®)
• Compact size enhances freedom of mobility.

Easy and Flexible Operations

• Compact and stylish
• Interfaces : USB HID

Optic & Performance	
Light Source	White LED Red LED
Sensor	Array Image Sensor (640 x 480 pixels)
Scan Rate	30 Frames/Sec
Resolution	5mil/ 0.125mm (1D), 10mil/ 0.25mm (2D)
Scan Angle	Horizontal 37° Vertical 27.5°
Pitch / Skew / Roll Angle	±60° / ±60° / 360°
Print Contrast Ratio	25%
Width of Field	141 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 52 ~ 294 mm QR Code 15 Mil: 52 ~ 405 mm

Physical Characteristics	
Dimension	W23.1 x L19.5 x H14 mm (when plugged into smartphone)
Weight	6.2g
Color	Black
Material	PC
Connector	USB Type C

Electrical	
Operation Voltage	5 VDC
Working Current	< 156 mA
Standby Current	< 85 mA

Connectivity	
Interface/ Profile	USB HID

User Environment	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Ambient Light	100,000 Lux (Sunlight)

Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge (requires housing that is designed for ESD protection and stray from electric fields)
EMC/RF	FCC Part 15B Class B, CE EN55024/32
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0

Symbologies	
1D	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, IATA Code, GS1-128, MSI Plessey Code, UK Plessey Code, GS1 Databar
2D	QR Code, Micro QR Code, Data Matrix, PDF417, Aztec

﹡All specifications are subject to change without notice.

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COMPUTEX d&i awards
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