



MTS21 Smartphone Scanner

MTS21 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, MTS21 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 625nm visible red LED
Sensor	Array Image Sensor (640 x 480 pixels)
Scan Rate	60 Frames/Sec
Resolution	3mil/ 0.075mm (Code 39)
Scan Angle	Horizontal 42° Vertical 31.5°
Pitch / Skew / Roll Angle	±60° / ±60° / ±360°
Print Contrast Ratio	40%
Width of Field	161 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 65 ~ 345 mm QR Code 15 Mil: 35 ~ 165 mm

Physical Characteristics

Dimension	W74.68 x L13.7 x H14.32 mm (when plugged into smartphone)
Weight	13.26g
Color	Black
Material	PC+ABS
Connector	USB Type C

Electrical

Operation Voltage	5 VDC
Working Current	< 200mA
Standby Current	< 60mA
Idle Current (Sleep Mode)	N/A

Connectivity

Interface/ Profile	USB HID
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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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