

MT1227 2D Scanner

MT1227 is a Wireless 2D Barcode Scanner designed to help users improve identification efficiency. Being pocket-sized and Bluetooth-based, the scanner is suitable for users who are constantly on the move. Its battery is capable of working over 12 hours under constant use. The disinfectant-ready white housing can minimize microbes and prevent the reproduction of bacteria during the whole product lifetime.

Omni-directional 1D and 2D barcode



MT1227 wireless 2D barcode scanner reads any 1D or 2D barcode in any conditions, such as on-screen or poorly printed barcodes, on an average of 1/10 seconds per scan, providing a capture speed at least 20 times faster than that of the scanning Apps on regular smart devices.

Battery Power up to 10,000 scans

MT1227 wireless 2D barcode scanner is backed by a 1000mAh battery that can deliver more than 10,000 scans per full charge. The battery is rechargeable via standard micro USB.

Cordless for Mobility

With built-in Bluetooth

technology, the portability of MT1227 wireless 2D barcode scanner enables the scanner to move up to 10 meters away the host.

Quick Pairing via MT600 Wireless Dongle

When operating with MT600 wireless dongle, as many as 7 units of MT1227 can transfer data to a shared host device at the same time. It offers multi-device connectivity to your mobile scanning tasks even when the existing host device does not have built-in Bluetooth adapter.

User-friendly Operation

Easy Bluetooth pairing provides non-pincode connection with virtually any Bluetooth-enabled devices including smart-phones, tablets and PCs. No special training is required.

Laser-Free Scanning Solution

The light source of MT1227 wireless 2D barcode scanner is Class I LED illumination, which prevents the risk of eye injury and visual stress. The mechanical structure of LED illumination is more durable than the Laser type scanner.



Anti-microbial Protection

The disinfectant-ready housing of MT1227 wireless 2D barcode scanner effectively stops the spread of deadly infections. It is able to withstand 1.5M drop and is rated IP55, which protects the sensitive components from various environments.

Silent Mode with Vibrating Indicator

MT1227 wireless 2D barcode scanner is equipped with a beeper and a vibrating indicator to inform users of good reads in both noisy and silent backgrounds. The indicator modes can be easily switched by scanning a setting barcode.



Reliable Off-line Data Collection

MT1227 wireless 2D barcode scanner can operate in both on-line wireless mode and off-line memory mode with a 2MB memory that could store up to 20,000 barcodes.

Feature

Integrating barcode scanning technology with anti-microbial protection, MT1227 wireless 2D barcode scanner is designed to quickly identify both 1D and 2D barcodes within durable housing design. The built-in powerful barcode

scan engine helps users to omni-directionally capture any barcodes in either printed or on-screen format.

When operating with MT600 wireless dongle, as many as 7 units of MT1227 can transfer data to a shared host device at the same time. It offers multi-device connectivity to your mobile scanning tasks even when the existing host device does not have built-in Bluetooth adapter.

Sustained by a 1000mAh battery, MT1227 wireless 2D barcode scanner can deliver more than 10,000 scans when fully charged. It increases productivity and simplifies everyday processes across various kinds of facilities.



Optical & Performance

Light Source	625nm visible red LED
Sensor	752 x 480 CMOS
Scan Rate	60 frames/ sec
Resolution	5mil (Code39/PDF417) 6.67Mil (DataMatrix/QR Code)
Scan Angle	Horizontal 36° Vertical 23°
Print Contrast	30%
Width of Field	111mm (13Mil Code39)
Memory	2MB
D.O.F (Environment:800lux)	5Mil Code39: 60mm - 100mm 10Mil Code39: 45mm - 150mm 15Mil Code39: 60mm - 190mm 20Mil Code39: 80mm - 220mm 13Mil UPC/EAN: 60mm - 175mm 6.67Mil PDF417: 45mm - 120mm 10Mil PDF417: 70mm - 145mm 15Mil PDF417: 55mm - 150mm 20Mil PDF417: 55mm - 170mm 10Mil DataMatrix: 45mm - 130mm 15Mil DataMatrix: 45mm - 160mm 20Mil DataMatrix: 75mm - 185mm 10Mil QR Code: 60mm - 130mm 15Mil QR Code: 45mm - 150mm 20Mil QR Code: 45mm - 185mm

Physical Characteristics

Dimension	L102xW42.5xH21.5 mm
Weight	72g ± 5g
Color	White
Material	PC
Cable	1.5M (Micro USB cable)
Trigger	Scan Button Function Button

Indicator	Buzzer, LED, Vibrator
Power	
Operation Voltage	3.7 VDC ± 5%
Working Current	< 330mA
Standby Current	< 70mA
Idle Current	< 500uA
Battery	3.7V, 1000mAh, Li-Polymer
Number of Scan (per full charge)	> 10,000 scans (1 scan/ 5 sec, Bluetooth connected)

Connectivity

Radio	Bluetooth 2.1 + EDR (Class2)
Range	30 ft./ 10m (line of sight)
Interface/ Profile	SPP (Android, Mac, Windows) HID (Android, iOS, Windows)

User Environment

Operating Temperature	-20~60°C
Storage Temperature	-20~65°C
Humidity	0%~95%RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP55
Ambient Light	100,000 Lux (Fluorescent Light)

1D Symbologies
 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, China Postal Code, MSI Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar

2D Symbologies
 PDF 417, Data Matrix(ECC200,000,050,080,100,140), QR Code, Micro QR Code

Regulatory

EMC	FCC Part15C, CE
ESD	Functional after 4KV contact, 8KV Air discharge
Safety	WEEE, RoHS 2.0, IEC62471

* All Specifications are subject to change without notice.