MS340B
Long Range Bluetooth CCD Scanner

Unitech's latest MS340B long range Bluetooth CCD scanner, has been enhanced to provide reliable scanning for rugged applications in field service, industrial production, warehouse and retail. Featuring industrial and military-standards, this affordable handheld scanner delivers unparalleled performance in harsh environments.

Durable and reliable
Built for durability, the MS340B features an IP42 environmental sealing against moisture and dust and an impressive 1.5M drop specification to concrete.

The MS340B offers multiple interface options such as; USB, RS232, or USB emulation COM port driver. Moreover, it can as well be connected directly to Android or iOS devices. It is easy to enable the iOS Hotkey; just double-click the trigger to toggle the iPhone/iPad Touch Keyboard. With versatile capabilities, the MS340B has ability to meet the demands of rigorous work environments.

Wireless ergonomic design
The comfortable and ergonomic design of this scanner makes it easy-to-use. The MS340 is flexible to operate in multiple reading-modes like; trigger-, continuous- and presentation (auto-detect reading) mode.

With its upgraded features and the support of the BT V2.1 EDR technology; the MS340B offers a long range scanning capability up to 100m to improve operator efficiency. When out of range, switch the MS340B to batch mode to store up to 30,000 EAN13 barcodes. This scanner can be used in the most practical way from retail point-of sale to transportation surroundings (depending on the scanning task).

Superior data capture performance
The MS340B is equipped with and advanced auto-shuttle-emulation (smart detection technology) that provides a superior data capture performance to boost the scan speed up to 500 scans per second for incredible responsiveness. The MS340B also supports maximum compatibility by reading major 1D barcode types including UPC, EAN, ASCII and GS1 DataBar, as well as damaged or poorly printed bar codes.

"High-performance Long Range Bluetooth CCD Scanner with automatic smart detection"

Features:
- Support BT V2.1 EDR technology, transmission range up to 100m
- Equipped with memory capacity: can store up to 30,000 EAN13 barcodes
- Superior data capture performance: up to 500 scans/sec
- Easily toggle the iPhone/ iPad touch keyboard with iOS Hotkey function
- Multi-interface Communication: USB, RS232 and USB emulation COM port driver
- Supports Piconet: up to 8 to1
- High capacity battery (reads 50.000 per charge)
- Available to read most 1D barcode types
- Automatic object detection and scanning

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Operational & Performance

Receiving Device	Linear CCD Sensor
Light Source	635nmnm Red LED
Ambient light	Up to 100,000 Lux
Processor type	ARM Cortex™-M3, 32-bit
Max. Resolution	4mil/0.1mm@PCS90%, Code39
Scan Rate	Smart detection (up to 500 scans per second)
Skew Angle	± 60°(±5°)
Pitch Angle	±10°~65°(±5°)
Printing Contrast Scale	30%
Depth of Field	Up to 400 mm@20mil/0.5mm PCS90%, Code39

Reading distance

Density	Near	Far
0.1mm / 4mil	80mm	120mm
0.127mm / 5mil	70mm	140mm
0.15mm / 6mil	60mm	170mm
0.26mm / 10mil	40mm	220mm
0.33mm / 13mil	40mm	330mm
0.39mm / 15mil	40mm	370mm
0.5mm / 20mil	40mm	400mm

Symbologies

All UPC/EAN/JAN, EAN128 Code, Code 39,
Code 39 Full ASCII Code32 / Italian Pharmacy,
Code 128, CODABAR/NW7 Interleave 25, Industrial
25, Matrix 25, Telepen Code 93, Code 11, China
Postage, Code 26, LCD25, GS1 DataBar

Operation modes

Trigger-, continuous- and presentation mode.

Power Source

Operating voltage	DC 5V ± 5%
Consumption	Operate: 200mA
	Standby: 60mA
Battery	Li-ion 3.7V/2600 mAh

Enclosure

Scanner dimension	72mm x 70.3mm x 164 mm
Scanner weight	174g (Scanner only)
Switch life	1 million times

Environmental

Operating temperature	0°C to 50°C
Storage temperature	-20°C to 70°C
Humidity	20%-95% non-condensing
Drop resistance	1.5 m
IP rate	IP42

Communication

Interface	USB
Radio Frequency	BT V2.1 EDR, Class 1
Frequency Band	2.402GHz~2.480 GHz
Transmission Range	Up to 100m (328.08 FT.) line of sight

Accessories

Interface cables

Regulatory approvals

CE, FCC, BSMI, VCCI

Unitech Europe
Tilburg, The Netherlands
- Tel.: +31 (0)13 460 9292
- Email: Info@eu.ute.com
- Website: http://www.eu.ute.com

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