MS340B
BT CCD Scanner

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

Durable and reliable
Featuring an IP42 environmental sealing against moisture and dust and an impressive 1.5M drop specification to concrete, MS340B is built for durability into business workforce. Moreover, MS340B barcode scanner provides a cost-effective option and it is reliable to be used for long term. Furthermore, it offers multiple interface options: USB, RS232 and USB emulation com port driver. Moreover, enabling iOS Hotkey, you may simply double-click the trigger to toggle the iPhone/iPad Touch Keyboard. With versatile capabilities, MS340B has ability to meet the demands of rigorous work environments.

Wireless ergonomic design
Combining with a comfort grip and ergonomic design, MS340B is easily for holding and flexible to operate in multiple scan types: handheld mode and presentation mode. With upgraded features that MS340B supports BT V2.1 EDR technology and it offers a long range scanning capability up to 100m to improve operator efficiency, it can be used in most practical way depending on the scanning task from retail point-of sale to transportation surroundings.

In addition, its flexible hands-free stand provides customers with a convenient way to facilitate MS340B to be hands-free reading. With its auto turn off reading and auto-detect reading, the scanner senses movement as barcodes in front of the lens, and activates the scan engine that extends its lifespan.as well as damaged or poorly printed bar codes.

Superior data capture performance
The next generation in 1D scanning, MS340B is equipped with 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. 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. It also built in multiple scanning modes, and its memory capacity can store up to 30,000 EAN13 barcodes.

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 to 1
- Available to read most 1D barcode types
- Automatic object detection and scanning

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Optical & Performance

Sensor	Linear CCD Sensor
Light Source	635 nm 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
Range	

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

Functionality

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 Mode	Handheld / Presentation

Electrical

Operation Voltage	DC 5V ± 5%
Current Consumption	Operate: 200mA
	Standby: 60mA

Mechanical

Scanner Dimension	72 x 70 x 164 mm
Scanner Weigh	174 g (Scanner only)
Switch life	1,000,000 times

Environmental

Drop resistance	1.5M
IP rate	IP42
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	20% to 95% (Non-condensing)

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

Regulation Approvals

CE/ FCC/ VCCI/ BSMI

Accessories

RS232 Cable (optional)