

ARMADA WS-20

RUGGED WIRELESS BARCODE SCANNER



SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimension	W42.5×L102×H21.5 mm
Weight	70g
Color	White
Material	PC
Cable	1.5M (Micro USB Cable)
Trigger	Scan Button
Indicator	Wireless Trigger (via BT) buzzer, LED, Vibrator

POWER

Operation Voltage	3.75 VDC ± 5%
Working Current	< 220mA
Standby Current	< 85mA
Idle Current	< 500uA
Battery	3.7 V, 1000mAh, Lithium battery
Number of Scan (per full charge)	> 10,000 scans (1 scan/ 5 secs, Bluetooth connected)

CONNECTIVITY

Radio	Bluetooth 2.1 + EDR (Class2)
Range	30 ft./ 10m (line of sight)

USER ENVIRONMENT

Operating Temp	-10~55°C
Storage Temp	-20~65°C
Humidity	0%~95%RH (Non-condensing)
Drop Durability	1.5M
Ambient Light	70,000 Lux (Fluorescent Light)

OPTICAL & PERFORMANCE

Light Source	525nm visible green LED , 635nm visible red LED
Sensor	2500 Pixels CCD
Scan Rate	200 Scans/Sec
Resolution	4mil/ 0.1mm(3mil readable)
Scan Angle	40°
Print Contrast	30%
Width of Field	140mm (13Mil Code 39)
Memory	2MB (20,000 barcodes)
D.O.F (Environment:800lux)	4 Mil Code39: 60 ~ 80mm 5 Mil Code39: 50 ~ 90mm 10 Mil Code39: 60 ~ 180mm 15 Mil Code39: 60 ~ 250mm 13 Mil UPC/ EAN: 60~220mm
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

REGULATORY

EMC	FCC Class B, CE
ESD	Functional after 4KV contact, 8KV Air discharge
Safety	WEEE, RoHS 2.0, IEC 62471

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