



PRODUCT OVERVIEW

Model	C830
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D
Scan Engine	Laser
Illumination	Visible laser diode, wavelength 630-650 nm 265 lux (130 nm)
Minimum Print Contrast	25%
Angular Tolerance	47°±3% 35°±3%
Depth of Field	4.0 mil Code 39 1.50 in 3.81 cm-5.50 in13.97 cm 5.0 mil Code 39 1.80 in 4.57 cm-8.00 in 20.32 cm 7.5 mil Code 39 2.20 in 5.59 cm-13.00 in 33.02 cm 10 mil Code 39 2.20 in 5.59 cm-18.00 in 45.72 cm
Supported Symbolologies	UPC/EAN,Code 128,Code 39,Code 39(Code 32),Code93,Code 11,Interleaved 2 of 5, Discrete 2 of5,Chinese 2 of 5,Codabar,MIS,GS1 DataBar

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth 2.4 GHz wireless+Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2) +Wired connection
Host Interfaces	USB
Wireless Range	2.4 GHz: 65 m Bluetooth: 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	1200 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	3-4 hours
Operating Voltage	DC 5V±5% 114 mA 0.6µA

Physical Specifications	
Dimensions	L × W × H (mm): 124 × 25 × 41 mm
Weight	Approx. 72 g
Enclosure Material	ABS
Color Options	Black, Blue
Cable Length	1.2 m
Stand Included	No
User Feedback	Buzzer, LED indicator, Vibration

Environmental & Compliance	
IP Rating	IP54
Drop Resistance	1 m free-fall drop (optional C-series protective boot)
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	5% to 95% (non-condensing)
Ambient Light Immunity	107640 lux 100,000 lux Max
Certifications	CE, RoHS, FCC