

ST10-39 Wireless Series Specification

Wireless Connections

Communications	Bluetooth 4.2, Class 2
Radio Range	10m (30 feet)

Physical Characteristics

Size	Scanner: 92mm x 75mm x 184 mm (L*W*H)
	Base: 221mm x 89mm x 71mm (L*W*H)
Weight	Scanner: 300g Base: 220g
Input Voltage	DC 5V ± 5%
Working Current	279mA
Stand-by Current	40mA
Color	Blue+Black
Interface	USB HID Keyboard/USB VCP/RS232
Indicator	LED Indicator/Buzzer/Vibration
Battery	2500mAh rechargeable lithium battery

Performance Characteristics

Full Charge Time	Whole machine charging time: 5h
	Battery compartment charging time: 3h
Lighting Source	White LED
Aiming light	SR: Red cross laser HD: Red bar LED
Filed of view	Level: 42°, Vertical: 28°
Sensor Resolution	1280 x 800 pixels
Min Print Contrasts	Min reflection difference 15%
Scan Angle	Tilt Angle: -60° to 0°, 0° to +60°
	Skew Angle: -60° to 0°, 0° to +60°
	Rotate Angle: -180° to 0°, 0° to +180°
Reading Accuracy	SR: 1D ≥ 0.076mm/3mil (PCS 0.9)
	2D ≥ 0.178mm/7mil (PCS 0.9)
	HD: 1D ≥ 0.076mm/3mil (PCS 0.9)
	2D ≥ 0.178mm/7mil (PCS 0.9)

Working Environment

Temperature	-20°C~50°C/-4°F ~ 122°F (Operating)
	-40°C~70°C/-40°F ~ 158°F (Storage)
Humidity	0-95% (No condensation)
Drop Test	Scanner: Can withstand 50 times drops of falling from 2 meters to concrete surface
Tumble Test	Scanner: Can withstand 5000 rolls within 1 meter
Leakproofness Grade	Scanner: IP67 Base: IP51
Barcode Reading Distance Range	3mil: 11-22cm (SR) 8-18cm (HD)
	13mil: 6-65cm (SR) 5-60cm (HD)

Decoding Ability

1D	Codarbar, Code39, Code32, Interleaved 2 of 5 (ITF25), Industrial 2 of 5 工业25码, Matrix 2 of 5, Code 93, Code 11, Code 128, GS1-128, UPC-A, UPC-E, ENA/JAN-8, EAN/JAN-13, ISBN, ISSN, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded, ISBT, MSI, Febraban
2D	PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec

Laws and Regulations

Environmental parameters	RoHS: IEC62321-3-1:2013 Ed.1.0, IEC 62321-5:2013 Ed.1.0, IEC 62321-4:2013+AMD1:2017, IEC62321-7-1:2015 Ed.1.0, IEC 62321-7-2:2017 Ed.1.0, IEC 62321-6:2015 Ed.1.0, IEC 62321-8:2017 Ed.1.0
Electrical Safety	EU Security Law: EN 62368-1:2014+ EN 62479: 2010 + ETSI EN 301 489-1 V2.1.1 (2017-02) + ETSI EN 301 489-17 V3.1.1 (2017-02) + ETSI EN 300 328 V2.1.1 (2016-11) U.S. Security Law: FCC Part15 Subpart C 2018, Section 15.247

Accessories

Standard accessories	Barcode scanner, Base, Data cable, Manual, Power adapter, Power Adapter supply line
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