

# ST10-39 Wired Series Specification

## Physical Characteristic

Size	92mmx75mm x 184 mm(L*W*H)
Weight	240g
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

## Performance Characteristics

Light Source	White LED
Aim Light Source	SR: Red cross laser HD: Red dot LED
Field 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)

## 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

## 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	IP65
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

## Accessories

Standard accessories	Barcode scanner, Data cable, Manual, Power adapter(optional for serial port)
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