

1D Laser Handheld Barcode Scanner

Innovation By Design



Features

- ✓ **High Performance** accurate first time scanning
- ✓ **High Performance 32 Bit Ultrafast** decoding design
- ✓ **Ergonomic Comfort** in design perfectly engineered
- ✓ **Hands Free/Trigger or Continuous** read modes

Basic Product Specification (LL-1020)

Performance Characteristics

Scan Pattern	Single line laser
Scan Method	Bi-directional scanning
Scan Rate	120 scans per second
Resolution	PCS 0.9: 0.101mm / 4 mil, Min. PCS value: 0.35
Indicators	One LED (blue)
Non-visual	Buzzer
System Interfaces	RS-232, USB (Ver. 1.1 HID Keyboard), RS485 industrial port
Trigger Mode	Manual, continuous read, multi-read, auto-trigger, serial software trigger
Reading Pitch Angle	-50 to 0°, 0 to +50° (pitch), -65 to 0°, 0 to + 65° (skew), -35 to 0°, 0 to +35° (tilt)
Curvature	R>15mm (EAN8), R>20mm (EAN13)

Physical

Dimensions	168x70x95mm (DxWxH)
Weight	120g / 4.24 oz (excluding cable)
Case	Black, PC White

Power

Voltage Requirement	5V± 10%
Current Consumption	85mA (typical use), max. 150mA

Environmental

Operating Temp.	-20° - 65°C (-4°F - 149°F)
Storage Temp.	-30° - 70°C (-22°F - 158°F)
Humidity	20-85% (operation), 20-90% (storage)
Ambient Light Immunity	Fluorescent 3000 lx max, Direct sun 50,000 lx max, Incandescent 3000 lx max
Drop Test	1.5m/5ft drop onto concrete surface
Protection Rate	IP 54

Product Compliance

IEC 60825, UL 60950, EN/IEC 60950, FCC Part 15 Class B, EN 55024/CISPR 22, AS 3548, VCCI, RoHS Compliant, GB7247.1-2001

Supported Symbolologies

All standard 1D symbolologies, Barcode (1D): EAN13, EAN8, UPC-A, UPC-E, Codabar (NW-7), Code39, Code93, Interleaved-2OF5, Standard-2OF5, Matrix_2OF5, Code 128, EAN128(GS1-128), Code11, Chinese_Post.

E&OE



Application and Solutions: Retail, Supermarket, Convenience, Forecourt, Kiosk, ATM, Medical, Banks, Logistics.

Contains Accessories: Cable (USB, RS232, RS485), User Guide, DC Power Supply (RS232, RS485), Scanner Stand Sold Separately.