



Z-6181

Dual-Laser Omnidirectional In-Counter Scanner



The Z-6181 in-counter laser scanner is a powerful scanning solution specifically designed for high-traffic environments with limited space. Like its big brother Z-6180, the Z-6181 features dual-laser technology that enables 32 scan lines for enhanced speed and accuracy, but manages to do so in a unit that measures significantly less in size than comparable scanners. With proprietary Z-SCAN+ hardware decoding technology, the Z-6181 is able to decode virtually every 1D barcode in existence with lightning-quick speed.

- Unique dual-laser technology & barcode stitching capability
- Field-replaceable scratch-resistant window
- Instant "two-way object-fly-by" scan reaction

1. Built-in EAS antenna
2. Large window & sharp LED indicator
3. Multi-interface support



- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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OPERATIONAL

Light Source	Dual 650 nm visible laser diodes (VLD)	
Depth of Field	5 mil: 20 – 50 mm	7.5 mil: 0 – 150 mm
	10 mil: 0 – 170 mm	13 mil: 0 – 200 mm
	20 mil: 0 – 280 mm	(Note: DOF may vary depending on environment condition and barcode quality.)
Scan Line	32	
Scan Rate	3,200 scans per second	
Scan Pattern	8 directions of scan field	
Print Contrast	30% @ UPC/EAN 100%	
Indicator	Two-color LED (blue & red)	
Beeper Operation	Programmable tone & beep time	
System Interface	IBM 46xx, keyboard, OEM (IBM) USB, RS-232, HID USB, USB Virtual COM	

PHYSICAL

Dimension	232.0 × 192.0 × 102.0 mm
Weight	2,100 g

POWER

Power Supply Voltage	100 – 240 VAC, 50/60 Hz
DC Input Scanner	+12V, -12V, +5V

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class 1
EMC	CE & FCC DOC compliant

ENVIRONMENTAL

Operating Temperature	0°C – 40°C (32°F – 104°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Light Level	Max. 4,500 Lux (fluorescence)
Drop Durability	Designed to withstand 1M drops
Compatibility	EAS compatible

DECODING CAPABILITY

1D Barcode	UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, MSI, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded
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