

# L780 Series

Sharp laser aiming for quick and precise barcode capture in any lighting condition

Ruggedized construction without moving parts inside withstands multiple drops to concrete from 2.0 meter

Unsurpassed readability on low contrast, laminated, high-density, poorly-printed, low-height and on-screen barcodes

GS1 DataBar, PDF, MicroPDF and composite code support

Outstanding reading capability on 3 mil barcode with more than 3" depth of field

Up to 34" reading range on general barcodes

Superior motion tolerance for rapid and accurate data-capture on the move

High speed scanning rate up to 500 scans per second for snappy barcode capture

All-in-one host interface design, including USB HID, USB COM, PS/2 keyboard wedge and RS232

Automatically switch between presentation scanning and hand-held scanning while working with Cino SmartStand

Optional vibrator for noisy working environment

## A Ruggedized, High Performance Laser Imager for Industry and General Purpose Applications



Thanks to the combination of cutting-edge FuzzyScan 3.0 Imaging Technology and unique laser aimer, the FuzzyScan L780 bar code laser imager provides superb reading performance and sharp laser aiming for quick-and-precise barcode capture. It is built with robust over-mold housing and no moving parts inside, delivering maximum dependability and favorable total cost of ownership. The L780 not only shares all advantages of imaging technology, but also offers the benefit of laser bar code scanner. This makes it as the most optimal solution to replace traditional laser bar code scanner to meet the need of industry and general purpose applications.

### Quick-and-precise barcode capture

Integrated with laser aimer, the L780 provides sharp laser aiming for quick and intuitive barcode capture. This enables L780 to read barcode in any light conditions, even under high ambient light environments. Furthermore, the L780 can aim at the bar code easily from longer distance.



### Extreme Reliability for lower TCO

To deliver the highest level of dependability, the L780 is built with compact and robust over-mold housing and no moving parts inside. It is rugged enough to withstand multiple drops from 2.0 meter to concrete to meet your day-to-day scan-intensive use.

### Outstanding Reading Performance

Thanks to FuzzyScan 3.0 Imaging Technology, the L780 is capable of reading low contrast, damaged, smudged, poorly-printed, laminated, low-height and on-screen bar codes that are commonly found in the real world quickly and accurately. To meet the latest application requirement, the L788 supports most popular linear-stacked barcodes, including PDF, MicroPDF, Codablock, GS1 DataBar Linear-stacked and Composite.

# Specifications

## Performance Characteristics

Optical System	High performance Linear Imaging Engine
Print Contrast	20% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Working Distance *1	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39
Light Source	630nm visible red LED with laser aiming
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch/Skew/Tilt	± 65° / ± 65° / ± 55°
Operating Modes	Trigger, Level, Alternative, Low power, Presentation
Host Interfaces	PC/AT, PS/2 (DOS V) keyboard wedge PC/AT, PS/2 (DOS V) keyboard direct link TTL RS232 serial USB HID (USB Keyboard) USB COM port emulation Laser emulation and Wand emulation
Configuration Setup	Bar code command Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan PowerTool
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator

## Supported Symbolologies

1D Linear (L780)	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic Code 128, GS1-128, Codabar, Code 11, Code 93 Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5 German Postal Code, China Postal Code, IATA UPC/EAN/JAN, UPC/EAN/JAN with Addendum Telepen, MSI/Plessey & UK/Plessey GS1 DataBar (formerly RSS) Linear, Linear-stacked
Linear-stacked (L788)	PDF417, Micro PDF417, Codablock, Composite

## User Environment

Drop Specifications	Withstand 50 drops at 6.0ft / 1.8m to concrete Withstand 10 drops at 6.6ft / 2.0m to concrete
Environmental Sealing	IP41
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% related humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 lux
ESD Protection	Functional after 15kV discharge

1. The reading distances are measured under Cino's test environmental condition.
2. Don't stare into the laser beam.

## Physical Characteristics

Dimension	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)
Weight	157g (cable excluded)
Color	Light Gray or Black
Input Voltage	5VDC ± 10%
Current	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC

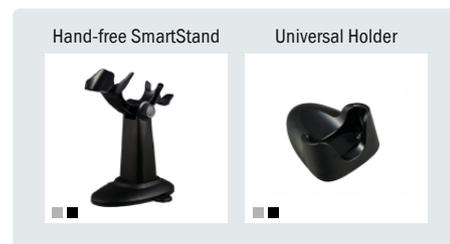
## Safety & Regulatory

EMC	CE,FCC,BSMI,C-Tick,KC,VCCI
Safety *2	Led Eye Safety IEC62471,Exempt Group Laser Eye Safety IEC60825-1, Class 1
Environmental	Compliant with RoHS directive

## Accessories

Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable USB Power Steal Cable
Others	Hand-free SmartStand Universal Holder

## Accessories



Colors Available : ■ black ■ light gray