

L780 HC Series

A High Performance Antimicrobial Bar Code Laser Scanner for Sterile and Hygiene-sensitive Applications

Disinfectant-ready enclosure incorporated with antimicrobial additives

Comply with JIS Z2801 : 2000 standard

Ruggedized over-mold design to withstand multiple drops to concrete from 2.0 meter

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

Unsurpassed readability on low contrast, smudged, poorly-printed or damaged 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

Built-in vibrator for noisy working environment



Society is more germ-conscious than ever. It's a trend to use devices incorporated anti-microbial materials for some specific environments to minimize the risk of spreading infectious micro-organisms and other bacteria.

PCW is committed to providing excellent bar code scanner that addresses the needs of those applications. The newly developed CINO antimicrobial L780 scanner not only inherits the outstanding reading performance and reliability of L780, but also protects your customer's safety under complete infection control.

[Incorporated antimicrobial additives](#)

The antimicrobial L780 scanner's housing is incorporated with silver inorganic antimicrobial agent, it will not be worn off during its lifetime. This provides an extra layer of protection against the multiplication and spread of potentially harmful microorganisms such as bacteria and microbes on the scanner plastic enclosure surface.

[Disinfectant-Ready enclosures](#)

The antimicrobial L780 scanner is designed with disinfectant-ready housing, it allows the plastic to be cleaned or wiped-down with commonly-used cleaning solutions in healthcare environments without harming the housing or the sensitive scanning components inside.

[Solution for hygiene-sensitive environments](#)

It can serve a wide range of specific applications where hygiene environment is paramount and high-level safety is vital, such as healthcare, pharmaceutical, cosmetic, food industries, medical laboratories and other sterile environments.

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 Vibrator

Supported Symbolologies

1D Linear (L780-WVU)	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-WVU)	PDF417, Micro PDF417, Codablock, Composite (available for L788-HC only)

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
Recommend cleaning solutions	Gentle dish soap water or alcohol solvent solutions

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	Plastic: Healthcare White Over-mold: Light Blue
Antimicrobial Additives	Silver inorganic antimicrobial agent
Input Voltage	5VDC ± 10%
Current	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC

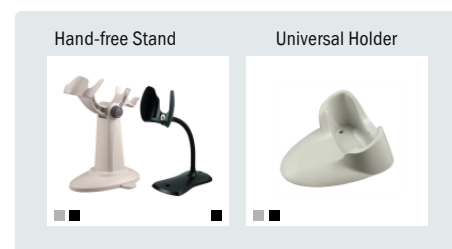
Safety & Regulatory

EMC	CE, FCC, BSMI, C-Tick, KC, VCCI
Safety *2	Laser Eye Safety IEC60825-1, Class 1 Led eye safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive
Antimicrobial	JIS Z2801 : 2000

Accessories

Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable USB Power Steal Cable
Others	US100 Hand-free SmartStand US50 Hand-Free Stand Universal Holder

Accessories



Colors Available : ■ black ■ light gray