

# F780 HC Series

A High Performance Antimicrobial Bar Code Linear 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 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 F780 scanner not only inherits the outstanding reading performance and reliability of F780, but also protects your customer's safety under complete infection control.

#### [Incorporated antimicrobial additives](#)

The antimicrobial F780 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 F780 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	15% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Working Distance <sup>*1</sup>	Up to 24 inches on 100% UPC/EAN symbols Up to 34 inches on 20 mil Code 39
Light Source	630nm visible red LED
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch/Skew	± 65° / ± 65°
Operating Modes	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation
Host Interfaces	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	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 (formly RSS) Linear, Linear-stacked
Linear-stacked	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	IP42
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

## 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 180 mA @5VDC Standby : Typical 80 mA @5VDC

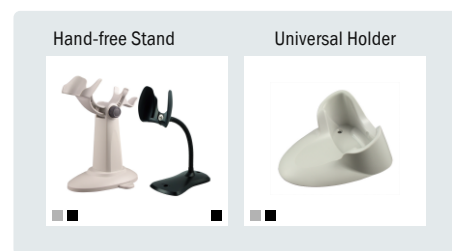
## Safety & Regulatory

EMC	CE, FCC, BSMI, C-Tick, KC, VCCI
Safety <sup>*2</sup>	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive
Antimicrobial	JIS Z2801 : 2000

## Accessories

Cables	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

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