A770BT HC Series

A rugged cordless Area Imaging 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

Built with the latest Bluetooth v4.0 wireless technology

Over 100 meters communication coverage while working with smart cradle

Plug-and-play cordless migration by working with smart cradle

Support multiple connections up to 7 scanners in PICO mode

Support both HID and SPP profiles

Work with Apple iOS and Android devices

Memory storage over 100,000 EAN-13 scans for batch scanning

Read most popular 1D, 2D barcodes and postal codes Omni-directionally

Digital image capture capability

Superior readability on barcodes printed on reflective

Built-in vibrator is ideal for noisy and quiet environments

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.

PC Worth has listened and understood our partners' demand for the use of barcode scanner at somewhere infection control is critical. The newly developed CINO antimicrobial A770BT Bluetooth scanner is built with disinfectant-ready housing. They are loaded with features required to perform outstanding reading performance and mobility in hygiene-sensitive environments.

Incorporated antimicrobial additives
The housings of antimicrobial A770BT scanner and cradle are incorporated with silver inorganic antimicrobial agent which 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 A770BT scanner and cradle are 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.

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Specifications

Performance Characteristics

Image Sensor	WVGA 752x480 Pixels
Print Contrast	20% minimum reflectance difference
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED
Min. Resolution	**SR Model (A770BT-SR-WV)** 3.3 mil Code 39 7 mil DM **HD Model (A770BT-HD-WV)** 2.7 mil Code 39 5 mil DM
Roll, Pitch, Skew	Roll: 360˚; Pitch: ± 75˚; Skew: ± 65˚
Motion Tolerance	Up to 25 inch/63.5 cm per second
Reading Range [1]	**SR Model (A770BT-SR-WV)** 5 mil (0.13mm) C39 3.8-19.5cm (1.5"-7.7") 13 mil (0.33mm) EAN 2.4-40.5cm (0.9"-15.9") 10 mil (0.25mm) DM 3.0-20.0cm (1.2"-7.9") **HD Model (A770BT-HD-WV)** 3 mil (0.076mm) C39 2.2-9.6cm (0.9"-3.8") 5 mil (0.13mm) C39 2.8-11.5cm (1.1"-4.5") 13 mil (0.33mm) EAN 1.8-20.3cm (0.9"-12.9") 5 mil (0.13mm) DM 2.8-7.5cm (1.1"-3.0") 10 mil (0.25mm) DM 1.2-12.0cm (0.5"-4.7")
Operating Modes	Trigger, Presentation
Configuration Setup	Bar code command Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan PowerTool DataWizard Premium via FuzzyScan PowerTool
User Interfaces	Blue link indicator and 2-color status indicator Programmable beeper Optional vibrator
Image Capture	Graphic Format : BMP

Electrical Characteristics

Battery	3.7V, 2600mAH Li-ion rechargeable battery
Battery Charge Time	Approx. 4-5 hours per full charge
Scans per full Charge [2]	More than 63,000 scans and transmissions
Voltage & Current (Scanner and Cradle)	Voltage Current (Charging/ Non Charging) 5 ± 10% VDC Max.750 mA / 175mA with external power

Communication Characteristics

RF Standard	Bluetooth v4.0
RF Frequency	Band 2.402~2.4830 GHz unlicensed ISM band
Radio Link Modes	PAIR mode, PICO mode, SPP mode, HID mode
Communication Range	More than 100 meters in open space when working with smart cradle, line of sight
Supported Profiles	SPP, HID

Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 161.7 mm (D)
Weight	210g (battery included)

Supported Symbologies

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar, Linear & Linear Stacked
2D Codes	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR
Postal Codes	Australian Post, US Planet, US Postnet, Japan Post Dutch KIX code, Intelligent Mail, British Post

User Environment

Drop Specifications	Withstand 50 drops at 1.8m / 6.0ft to concrete Withstand 10 drops at 2.0m / 6.6ft 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

Safety & Regulatory

EMC & Radio:	CE,FCC,BSMI,C-Tick,KC,NCC,VCCI,MIC
Safety [3]	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive
Antimicrobial Additives	Silver inorganic antimicrobial agent

Accessories

Smart Cradle	RF Standard : Bluetooth v4.0
	Battery charging : Fast charge
	User Interfaces : 1 blue link indicator
	  2-color status indicator
	  Beeper, Paging/Reset button
	Host Interface : PS/2 (DOS V) Keyboard Wedge,
	  TTL RS232 Serial, USB HID, USB COM

Charging Cradle	Battery charging : Fast charge User Interface : 1 blue power indicator
Interface Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable
Others	5VDC Power Supply Unit Hand-Free SmartStand

1. The reading distances are measured under Cino's test environmental condition.
2. The number of scans per full charge is measured under factory preset test condition.
3. Don't stare into the LED beam.

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