ANSWK®

CARD SERIES

Designed by 8SCAN

WearHeld Scanner

Slim, Ultra-portable, Pocketable, Wearable

CARD3 SERIES WearHeld Scanners

With the increasingly complexity and personality of digitalized application scenarios, the barcodes and operators involved in the workflow are more diversified. It is not a convenient and money-saving way to deploy different barcode scanners for different tasks, and yet it is a great idea to have an unusual scanner that easily converts between these requirements anytime and companion with operators anywhere. With a groundbreaking design to strive for perfection, CARD SERIERS WearHeld Scanners can implement to easily convert among multiple functions, tasks and different applications, which all of features can understand and satisfy your needs of carry and use.

Features:

Adapts To Any Workflow:

Easily converts among multiple kinds of wearable and handheld operation, as your needs change.

◇ *With Multi-Purpose Holder (MPH) accessory, you can convert the operation modes of CARD Scanners freely in seconds among wearing on the back of the hand, wearing on the back of the finger, holding with strap, holding in one hand.*

◇ *With the quality accessories, you can wear CARD scanners on the belt, waist, chest, wrist, arm and take CARD scanners off from these positions in seconds, or put CARD scanners into your pocket freely.*

◇ *With the help of six different touch interfaces, CARD Scanners can complete the comfortable trigger scanning and barcode decoding under different situations. At the same time, CARD Scanners support the change among different trigger positions① in consideration of long-term operation Ergonomics.*

CARD SERIES WearHeld Scanner is a great integration with advantages of pocket scanner and wearable scanner, which have the design of stylish appearance and rugged construction and powerful multiple functions.

◇ *CARD SERIES Scanners are designed on the basis of the same size of credit card and only (0.47in) 12mm thickness slim housing, which has a familiar and comfortable grip feeling and is easy to carry and use.*

◇ *CARD SERIES Scanners adopt the durable structure design with sphericity, pillar, protective angle and middle arc protection, which brings unusual resistance to drop and extrusion② as well the fast ability to combine and disassemble.*

◇ *CARD SERIES Scanners adopt the integrated housing with the visual front plane with buzzer and vibration, which all of these designs will make the operator get the clear, rich and timely information.*

Excellent Accessibility:

Auxiliary functions for operation.

◇ *No configuration, the operators can directly use the button of housing to trigger the High-frequency Inching Mode Scanning and Discontinuous Dominoes Mode Scanning③.*

◇ *With the help of special optical cavity design close to the scan engine, it can provide the I laser spot aiming. This optical cavity can also provide specially customized illumination to enhance the performance of the engine.*

◇ *With the help of six different touch interfaces, CARD Scanners can complete the comfortable trigger scanning and barcode decoding under different situations. At the same time, CARD Scanners support the change among different trigger positions① in consideration of long-term operation Ergonomics.*

Auxiliary technology for operation

◇ *Built-in programmed NFC chip with Bluetooth information, CARD SERIES Scanners can implement a quick connection with device④ via split-second NFC close-to-pair technology⑤.*

◇ *CARD SERIES Scanners have multiple charging options: the TYPE-C and Magnetic quick charge⑥, Qi inductive standard charging⑦. Multiple charging options make it easy to keep your scanners and spare batteries charged for around-the-clock operation. CARD SERIES Scanners adopt built-in and replaceable BL-5B Li-ion battery, which has these features: small size, large capacity, high energy density and used low-temperature environment, support for long operating scan (35 hours operating time for 1d models)⑧. In addition, the design of the battery with a handle is convenient for operator to take out the battery*

◇ *CARD SERIES Scanners adopt the "building blocks" design, which most of spare parts are independent and can be replaced in operation, some of them can be washed if dirty. This design not only ensure that the scanner can be shared among operators, but also the spare parts are similar with "consumables "and can be replaced to reduce costs and meet the requirements of health and reuse.*

● Obsidian Black ● Snow crystal White

Inspired by Cards, Change in Wearable

--Easy to Carry and Use

Excellent performance:

Optical performance – Core of Decoding.

◇ *CARD SERIES Scanners adopt multiple Zebra and Honeywell scan engines, whichsupport the decoding of all of standard 1d and 2d barcodes, even damaged, dirtyand poorly printed or on-screen.*

Hardware performance – Core of Product

◇ *CARD SERIES Scanners adopt industrial grade product design. The core hardware adopts high-performance "System on Chip" chip, these high-quality industrial components integrate Bluetooth 5.0 and ARM CORTEX-M4F and metal shielding cover industrial quality module, which have these characteristics of high integration, strong performance, low power consumption, anti-interference and adaptability.*

Applications:

Commerce · Warehousing · Logistics

Service · Consumption · Manufacturing

Accessories:

BL-5B battery, MPH-HH, Neck Lanyard (Optional: MPH-GT, TOUCHUNIT Gloves, Q Strap, FINGERUNIT Ring, MPH-PC, Arm Strap, Helix Wrist Lanyard, Qi Wireless Charger, Battery Charging Cradle, Armband, Bluetooth Wireless Adapter, Magnetic Charging Cable)

CARD3-HW
C3316

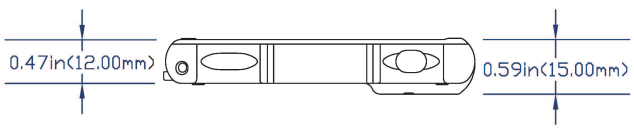
CARD3-basic
C3317

CARD3-laser
C3919

Specifications

P/N:FE10101F0 Version1.0

CARD3 SERIES	Part Name:	CARD3-HW	CARD3-basic	CARD3-laser
	Model Number:	C3316	C3317	C3919
MECHANICAL	Dimensions (L x W x D):	3.37 in x 2.07 in x 0.59 in (85.5 mm x 52.5 mm x 15 mm)		
	Weight(Contain the battery):	62g	63g	68g
	Colour:	Obsidian black / Snowflake white		
ELECTRICAL	Input Power:	5.0W (1000mA @ 5VDC± 0.5V)		
	Operating Power:	1.7W (340mA @ 5V)	2.45W (490mA @ 5V)	0.5W (100mA @ 5V)
	Scan Mode:	High-frequency Inching Mode Scanning, Discontinuous Dominoes Mode Scanning③		
	Scans⑧(Dominoes mode):	about 27 thousand times	about 22 thousand times	about 60 thousand times
	Operating Time ⑧ (0.2Hz Inching):	about 28 hours	about 22 hours	about 35 hours
	Operating Mode:	Button Trigger(Finger), Touch Trigger(Finger), level signal Trigger(Glove), Bluetooth Trigger(Ring)		
	Radio specification:	Standard Bluetooth Version 5.0 with BLE: Class1 330ft.(100m) and Class 2 33ft.(10m), GATT and HID profiles, Master and Slave		
	Radio Power:	Output power adjustable down to 4dBm		
	NFC specification::	13.56Mhz High Frequency, in conformity with ISO/IEC14443-A		
	Battery specification:	Universality BL-5B Model, 3.7V lithium ion rechargeable battery, Typical Capacity:950mAh/3.515Wh, Rated Capacity:850mAh/3.145Wh		
	Battery Dimensions:	46mm±0.15 L, 34mm±0.15 W, 5.65mm±0.15 D		
	Charging type:	Qi Wireless Charger, Magnetic Charger、TYPE-C Cable Charger		
	Charging Time:	Fast charger: 2.5~3.5 hours; Standard charger: 5~6 hours		
	Charging Power:	2.5W (500mA @ 5VDC± 0.25V)		
	User Indicators:	Dedicated battery gauge loop LED, Dedicated Bluetooth LED, Good Decode LED, Charging state LED, Beeper, Haptic feedback on decode		
	Beep volume:	85dBSPL @ 10cm		
ENVIRONMENTAL	Operating Temperature:	-4°F to 122°F (-20°C to 50°C)		
	Storage Temperature:	-40°F to 158°F (-40°C to 70°C)		
	Humidity:	5% to 95% relative humidity,non-condensing		
	Drop Specification:	Designed to withstand 48 times fall drops at 5 ft./1.5 m to concrete floor		
	Tumble Specification:	Designed to withstand 500 tumblers in 1.5 ft./0.5 m tumbler		
	Extrusion Force Specification:	Withstand pressure equivalent to 200kg weight on the scanner		
	Environmental Sealing:	IP52		
	Light Levels:	9,290 foot-candles (0 to 100,000 lux)		
	Electrostatic Discharge(ESD):	±15KVAir, ±8KV Direct, ±8KV Indirect		
	Housing	ABS&PC&Silica gel		
	Regulatory:	CE, RoHS, FCC		
SCAN PERFORMANCE	Decoded Engine:	Honeywell N4680	Zebra SE4107	Zebra SE965HP-I200R
	Distance Type:	Standard range scanning distance	Standard range scanning distance	Extended mid-range scanning distance
	Image Sensor::	640x480 pixel	1280x960 pixel	/
	Sensor Technology:	Global shutter	Rolling shutter	/
	Motion Tolerance(handheld):	Up to 236.22 in./600 cm per second	Up to 20.01 in./51 cm per second	/
	Scan rate:	120 scans/second	/	104 scans/second
	Engine aiming:	Red LED dot	Green LED dot	Red Laser Line
	Auxiliary Indication:	Red Laser dot		/
	illumination:	White LED	Warm White LED	/
	Resolution(maximum):	1D:3mil(0.076mm)	1D:5mil(0.127mm)	1D:5mil(0.127mm)
	Scan Angle:	Horizontal: 40°, Vertical: 30°	Horizontal: 44.5°, Vertical: 33.5°	Wide (default): 47° , Medium: 35° , Narrow: 10°
	Pitch, Skew & Roll:	±60°, ±60°, 360°	±60°, ±60°, 360°	±65°, ±40°, ±35°
	Print Contrast:	20% minimum reflectance difference		
	Decode Capability:	Reads standard 1D, 2D, PDF, Postal and OCR symbologies.	Reads standard 1D, 2D, PDF, Postal and OCR symbologies.	Reads standard 1D.
DECODE RANGES(TYPICAL)	CODE 39: 20mil	2.79 in-29.41 in(71 mm-747 mm)	2.52 in-25.98 in(64 mm-660 mm)	1.42 in-52.01 in(36 mm-1321 mm)
	CODE 39: 5mil	1.77 in-7.09 in(45 mm-180 mm)	2.40 in-9.49 in(61 mm-241 mm)	1.22 in-12.48 in(31 mm-317 mm)
	UPC-A: 13 mil	1.81 in-15.35 in(46 mm-390 mm)	1.81 in-19.49 in(46 mm-495 mm)	1.61 in-27.01 in(41 mm-686 mm)
	PDF417: 6.7 mil	2.17 in-6.42 in(55 mm-163 mm)	2.40 in-7.99 in(61 mm-203 mm)	/
	DataMatrix: 10 mil	1.69 in-5.59 in(43 mm-142 mm)	2.91 in-8.50 in(74 mm-216 mm)	/
	QR Code: 20mil	1.42 in-14.45 in(36 mm-367 mm)	1.18 in-14.02 in(30 mm-356 mm)	/



① Support glove trigger and finger trigger; ② Drops at 6.56 ft./2m to concrete and roll by a mini car;
③ Discontinuous scanning similar to Dominoes Mode After first scanning is triggered and complete decoding, CARD Scanner will automatically trigger the next scanning and decoding one by one, the continuous scanning mode will be interrupted and exited until the scanner can't get any decoding information; ④ Support the connection with Mobile Phone, Tablets and PDAs;
⑤ These devices must open Bluetooth and NFC (Bluetooth 4.0 and above); ⑥ Magnetic quick charge must require the magnetic quick charging cable; ⑦ Qi inductive standard charging interface is located in the middle of front plane, which support most of the standard Qi inductive charging boards on the market. "Face to Face, Center to Center" when charging; ⑧ Scans and Operating Time is decided by the scanning frequency, decoding efficiency, scan engine, wireless power, battery aging, ambient temperature, etc.

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