Wi-Fi Barcode Scanner

A world-class Wi-Fi barcode scanner for enterprise WLAN connectivity

Thanks to the convergence of the cutting-edge FuzzyScan 3.0 Imaging Technology and IEEE 802.11 wireless technology, the versatile Cino Wi-Fi barcode scanner not only supports real-time data transmission and data access through Wi-Fi connectivity, but also can perform batch data collection. It provides an excellent cost-performance solution to replace the high-end cordless scanners, batch data collectors, RF terminals and mobile computers.

cino®

Enterprise 802.11 WLAN connectivity with WEP, WPA and WPA2 support

Support ONLINE, BATCH and unique STERM operation modes

STERM mode allows complete bi-directional interaction between scanner and host for real-time data access applications

Both ONLINE and BATCH modes support user-defined form with multi-field feature

Online mode supports host acknowledgement to guarantee data integrity

Batch mode is ideal for various data collection applications

Ultimate WaveCentre software for robust application development

Built-in vibrator is ideal for noisy and quiet working environment

Built-in 2" QVGA color LCD display, two function keys and a five-way navigation key

Fast Roaming increases productivity

Reliable and secure data transmission

Online scanning, the scanned barcode is decoded and transmitted from the point of capture to the remote host through Wi-Fi connectivity immediately. It provides an ideal solution for enterprise mobile scanning and simple data check applications.

Solution for diverse data collection

The Wi-Fi scanner can store the scanned data into the memory storage. Right after completing the whole batch scanning process, you can transmit all data to the host active application. Furthermore, when the Wi-Fi scanner works with Cino WaveCentre software, you even can save all transmitted data to the host as csv or txt file directly. Optional input fields and transmission sequence are available to meet various host applications.

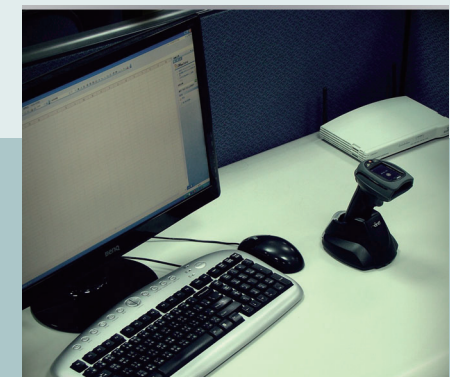### Solution for real-time data access applications

STERM (Smart Terminal) mode is an intelligent bi-directional operation mode which allows complete interaction between scanner and host application. Thanks to this function, it provides a cost-effective solution to replace traditional PDT for real-time database application.
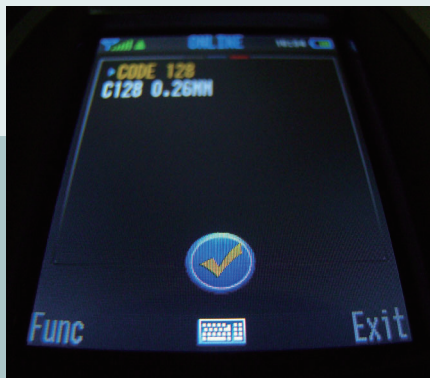

Online scanning

Batch Scanning

STERM Mode

Host acknowledgement guarantees data integrity

If you would like to have more reliable data transmission, the "Host Acknowledgement" feature guarantees the scanned data is received by the host successfully. You can define host acknowledgement message to meet specific application.

User-defined form fulfills various applications

Besides default form, both ONLINE and BATCH modes support user-defined form with maximum 8 input fields. It will be very flexible to meet various customers' applications.

Optimize and streamline workflow

If you just use one specific operation mode, the Auto Run feature will allow the scanner entering into designated operation mode automatically once you turned on the scanner.

Ultimate WaveCentre

When using Wi-Fi scanner together with Cino WaveCentre software, the useful remote control function enables you to send remote messages, lock or unlock one or multiple Wi-Fi scanners from remote host wirelessly. Furthermore, you can transmit scanned data through either virtual COM or HID.

Host Acknowledgement

User-defined Form

Auto Run Function

Remote Control Feature

Fast Roaming increases productivity

The Wi-Fi scanner supports fast roaming among access points with same SSID and security in enterprise Wi-Fi infrastructure environment. When the signal strength of connected access point drops to certain low threshold, the scanner performs fast site survey, then switches the connection to another most suitable access point.

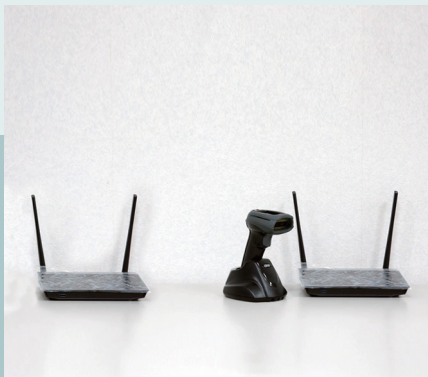## Long-lasting power supports a full shift

For mobility solutions, it's essential to support up to a full shift to avoid wasting time and efficiency by changing the battery. The smart power management performs outstanding power saving to maximize the long-lasting Li-ion battery power, providing up to eight hours of continuous operation.

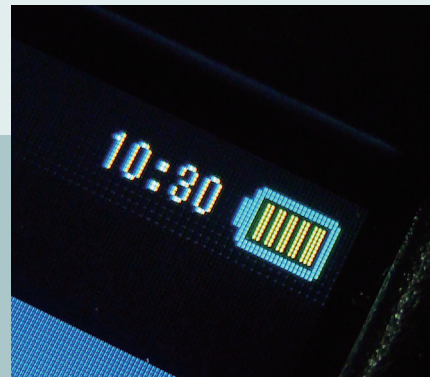## Reliable and secure data transmission

In addition to conventional WEP security, the advanced WPA and WPA2 security are supported. This prevents unauthorized access to ensure reliable and secure wireless transmission.
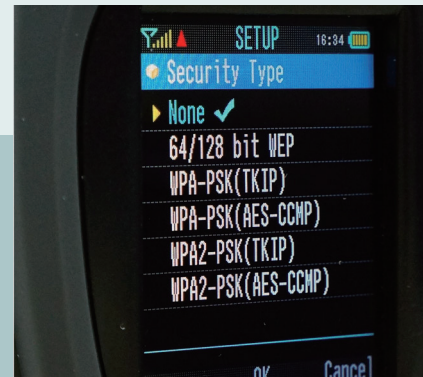
Exceptional confidence and visibility

The 2" color QVGA LCD provides a clear display for scanned data under different ambient lighting conditions. The user can verify the scanned data on the point of activity, putting an end to blind data collection. It also allows the ease of use on menu-driven configurations and data-entry.

Roaming Function

Power Management

Advanced Security

Color Display

Power Supply Unit

USB Cable

Charging Cradle
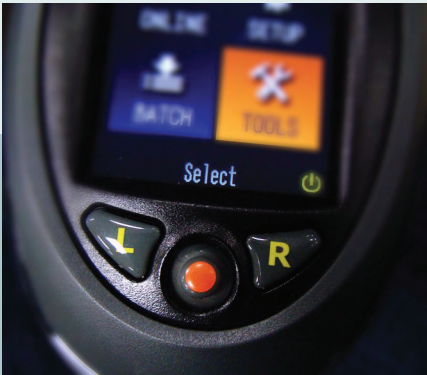
Battery

Easy and quick manipulation

The Wi-Fi scanner is equipped with two function keys and a 5-way navigation key. It's very convenient for user to manipulate the operation. This will streamline the workflow and increase employee productivity.

More accurate and efficient data capture

The useful virtual keyboard allows user to make alphanumeric data entry at the point of activity. This enables user make immediate input or correction on unreadable bar codes or incorrect scanned data.

Exceptional ROI

The Wi-Fi scanner can be easily integrated into an existing enterprise wireless network infrastructure with minimum effort. It not only reduces capital expenditures but also improves the return on investment.

Keypads

Virtual Keyboard

Enterprise Wireless Solution

SPECIFICATIONS

Performance Characteristics

Optical System	L780WD : Laser Imaging Engine F780WD : Linear Imaging Engine F790WD : Linear Imaging Engine
Print Contrast	L780WD : 20% minimum reflective difference F780WD : 15% minimum reflective difference F790WD : 10% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Working Distance *1	L780WD : Up to 24 inches on 100% UPC/EAN symbols F780WD : Up to 24 inches on 100% UPC/EAN symbols F790WD : More than 24 inches on 100% UPC/EAN symbols
Light Source	L780WD : 630nm visible red LED with laser aiming F780WD : 630nm visible red LED F790WD : 630nm visible red LED
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 Mode	Trigger
User Interfaces	2-inch QVGA color display with backlit 2 function keys, one 5-way navigation key Blue link indicator and 2-color status indicators Programmable beeper and vibrator

Electrical Characteristics

Battery	3.7V, 2600mAH Li-ion rechargeable battery
Battery Charge Time	Approx. 4-5 hours per full charge

Communication Characteristics

RF Standard	IEEE 802.11 b/g/n
RF Frequency	Country dependant; Typical 2.4 to 2.5 GHz
Operating Modes	Infrastructure mode
Communication Range	More than 150 meters in open space
Security	WEP, WPA, WPA2

Supported Symbologies

1D Linear (L780WD, F780WD, F790WD)	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic Code 128, UCC/EAN-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 (L788WD, F788WD, F798WD)	PDF417, Micro PDF417, Codablock F, Composite

Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 160.5 mm (D) 3.74 in. (L) x 2.78 in. (W) x 6.32 in. (D)
Weight	211g (battery included)
Color	Black

User Environment

Drop Specifications	Withstand multiple 1.8m/6ft. drops 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

Safety & Regulatory

EMC & Radio:	CE, FCC, BSMI, C-Tick, KC, NCC, VCCI, MIC
Safety *2	LED Eye Safety IEC62471, Exempt Group (F790WD) Laser Eye Safety IEC60825-1, Class 1 (L780WD)
Environmental	Compliant with RoHS directive

Accessories

Charging Cradle	Battery charging : Fast charge Indication : 1 blue power indicator
Interface Cable	USB Cable
Others	5VDC Power Supply Unit

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

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