FUZZYSCAN L680

1D Handheld Imager

A premium laser imager that delivers speed and accuracy for enterprise applications

The result of Cino's meticulous engineering, L680 delivers high-performance in addition to exceptional speed. Embedded with FuzzyScan imaging technology, it is designed to read a vast array of 1D barcodes and stacked symbologies. The L680's sharp laser beam helps users aim faster and with greater accuracy. Its rugged yet ergonomic casing provides superior hand comfort, along with protection against tumbles. This laser imager's outstanding capabilities make it a choice tool for fast-paced business environments.

- Sharp laser beam for quick and precise targeting
- Supports PDF417 and Composite Codes
- Superior readings on 3 mil barcodes, with a depth of field of over 3"
- Reads various challenging and problematic barcodes
- Reads electronic barcodes from smartphone screens
- Withstands drops from 1.8m to concrete
- Clear audio and visual feedback
- Optional vibrator for tactile confirmations
- Configuration can be done through iCode
- Advanced data formatting with DataWizard Premium
- System security development using DataWizard Premium

Scan All Your Needs

Tackle Stacked Symbologies

L680 is designed to scan a vast array of 1D and stacked symbologies, whether displayed on paper, plastic or electronically. Stacked-linear barcodes that can be read by the scanner include PDF417, GS1 Databar Stacked, and composite codes.

Ready for Challenges

Empowered by the FuzzyScan imaging platform, this scanner is primed to read various challenging and problematic barcodes. For example, poor quality, distorted, dirty, damaged, and overwrapped barcodes, as well as electronic barcodes on dimly-lit displays.

One Tool for Different Jobs

L680 delivers superior readings on high-density barcodes, in addition to exceptional scan range on regular barcodes. Its high performance and capabilities make it a versatile scanner that is well-suited for diverse applications.

Enhanced User Experience

Sharp Aimer for Rapid Targeting

The scanner's sharp laser beam helps users aim faster and with greater accuracy. L680 also projects a bright red illumination that allows for rapid barcode captures, even under low ambient lighting. Unlike traditional laser scanners, L680 makes use of advanced imaging technology to capture barcodes.

Retail

Commercial

Hospitality

Clear Audio and Visual Feedbacks

This barcode scanner contains a programmable beeper with adjustable sound volume. Its LED lights provide conspicuous, multi-color indications. Along with the optional vibrator, these sensory feedbacks work in concert to promote a greater scanning experience.

Optional Vibrator for Quiet or Noisy Environments

An optional vibrator is available, offering tactile confirmation of good reads. It is ideal for places where the scanner's beeps might be disruptive, such as a library or in hospital rooms where patients are resting. Vibrations may also be preferable in environments where beeping sounds may be drowned out by loud noises, e.g. manufacturing plant.

Ergonomic, Stylish and Robust

L680 merges style and ergonomics without compromising durability. The handle provides a natural grip that minimizes user fatigue during repetitive tasks. Its smooth outline is aesthetically pleasing and sure to complement professional decors. Furthermore, this imager's robust housing allows it to withstand 1.8-meter drops to concrete, offering a high degree of protection.

The SmartStand Advantage

Instantly switch between hand-held and hands-free scanning with Cino's SmartStand. This pragmatic accessory is expressly designed to support FuzzyScan readers such as L680 in hands-free applications. The SmartStand comes with an adjustable holder that allows for different scanning angles. Its base is equipped with foldable side flaps to provide extra stability when needed. Optimize your work speed and productivity with Cino's SmartStand.

Value Beyond Measure

Simplified Configuration Process

The iCode is a configuration barcode. It can be embedded with more than one command, thereby enabling the simultaneous change of numerous parameters. Instead of configuring their Cino imagers with multiple barcodes, users can achieve the same results with a single iCode.

Simply choose your desired settings in the FuzzyScan PowerTool, and click on the "iCode" button to generate a comprehensive barcode that embodies them all.

Customized Functionalities

DataWizard Premium lets you write data or security scripts which can then be used to program Cino scanners for customized tasks. The script language is similar to BASIC and easy to learn for experienced programmers.

This exclusive feature is included in the FuzzyScan PowerTool and offered to Cino clients without extra charge.

Advanced Data Formatting

Through data scripts, your scanners can be programmed for intricate formatting duties that would otherwise be assigned to the host device. For example: parsing raw data from driver licenses, adding preambles or postambles, and more.

System Security

Set your host system to prompt scanners for a validation key before allowing connection. Develop a security script containing the validation key and install this script on approved scanners. This will prevent random scanners from accessing the host system.

SPECIFICATIONS

Performance Characteristics

Optical System	High performance linear imaging engine
Print Contrast	20% minimum reflective difference
Light Source	630nm visible red LED with laser aiming
Minimum Resolution	3 mil (Code 39, PCS 0.9)
Reading Range *1	13 mil (0.33mm) UPC/EAN up to 24” 20 mil (0.5mm) Code 39 up to 34”
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch / Skew / Tilt	±65˚ / ± 65˚ / ± 55˚
Host Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232
Configuration Setup	Command barcodes iCode FuzzyScan PowerTool
Data Editing	DataWizard Premium

Physical Characteristics

Dimensions	97.0 mm (L) x 65.0 mm (W) x 156 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)
Weight	125g (cable excluded)
Color	Light Gray or Black
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator
Operating Voltage	5VDC ± 10%
Operating Current	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC

Supported Symbologies

1D Linear Codes	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	PDF417, Micro PDF417, Codablock F, Composite

User Environment

Drop Specifications	Withstands multiple drops from 1.8m (6.0ft) 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% relative humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 Lux
ESD Protection	Functional after 15KV discharge

Safety & Regulatory

EMC	CE, FCC, BSMI, RCM, KC, VCCI
Safety *2	LED Eye Safety IEC62471, Exempt Group Laser Eye Safety IEC60825-1, Class 1
Environmental	Compliant with RoHS directive

Accessories

Interface Cables	RS232 Serial Cable USB Cable USB Power Supply Cable
Others	US100 SmartStand US50 Hand-free Stand Universal Holder

1. The Reading Range are measured under Cino’s test environmental condition.
2. Don’t stare into the Laser beam.