# F680 Series

A Compact and Durable Bar Code Linear Imager for Retail and Commercial Applications

GS1 DataBar, PDF, MicroPDF and composite code support

Outstanding reading capability on 3 mil barcode with more than 3" depth of field

Up to 19" reading distance on 100% UPC/EAN symbols

Up to 27" reading range on general barcodes

Unsurpassed readability on low contrast, soiled, 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, PS/2 keyboard wedge and RS232

Automatically switch between presentation scanning and hand-held scanning while working with Cino SmartStand



The FuzzyScan F680 series bar code linear imager from Cino is built on cutting-edge FuzzyScan 3.0 Imaging Technology. It comes as the top performer in its class at affordable price. The combination of compact yet durable form-factor and superior reading performance make it an ideal solution for retail and commercial applications. The Cino F680 will boost your productivity and provide a path to stay ahead of the competition.

#### **Outstanding reading performance**

Thanks to FuzzyScan 3.0 Imaging Technology, the F680 series is capable of reading low contrast, damaged, smudged, poorly-printed barcode labels that are commonly found in the real world quickly and accurately.





#### **Latest linear-stacked barcodes support**

To meet the latest application requirement, the F688 supports most popular linear-stacked barcodes, including PDF, MicroPDF, Codablock, GS1 DataBar Linear-stacked and Composite.

#### Increase productivity with SmartStand

To maximize user's efficiency and productivity for hand-free applications, F680 is designed to switch automatically between presentation scanning and hand-held scanning by working together with Cino SmartStand.



## **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 *1	Up to 19 inches on 100% UPC/EAN symbols Up to 27 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	PC/AT, PS/2 (DOS V) keyboard wedge PC/AT, PS/2 (DOS V) keyboard direct link TTL RS-232 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 Optional vibrator	

Physical Cha	
Dimension	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 (without cable)
Color	Light Gray or Black
Input Voltage	5VDC ± 10%
Current	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC
Safety & Reg	gulatory
Safety & Reg	gulatory CE,FCC,BSMI,C-Tick,KC,VCCI
EMC	
EMC Safety *2	CE,FCC,BSMI,C-Tick,KC,VCCI
Safety & Rec EMC Safety *2 Environmental Accessories	CE,FCC,BSMI,C-Tick,KC,VCCI LED Eye Safety IEC62471, Exempt Group

**USB Power Steal Cable** 

Hand-free SmartStand Universal Holder

### **Supported Symbologies**

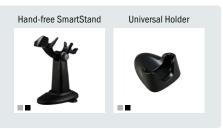
1D Linear (F680)	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic Code 128, UCC/EAN-128, Codabar, Code 11, Code 93 Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5 German Postal Code, China Postal Code, IATA UPC/EAN/JAN, UPC/EAN/JAN with Addendum Telepen, MSI/Plessey & UK/Plessey GS1 DataBar (formly RSS) Linear, Linear-stacked
Linear-stacked (F688)	PDF417, Micro PDF417, Codablock, Composite

User Environment		
Drop Specifications	Withstand multiple 1.5m/5ft. drops to concrete	
Environmental Sealing	IP41	
Operating Temperature	-10°C to 50°C (14°F to 122°F)	
Storage Temperature	-40 $^{\circ}$ C to 70 $^{\circ}$ C (-40 $^{\circ}$ F to 158 $^{\circ}$ F)	
Humidity	5% to 95% related humidity, non-condensing	
Ambient Light Immunity	0 ~ 100,000 lux	
ESD Protection	Functional after 15kV discharge	

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

## Accessories

Others



Colors Available : ■ black ■ light gray