

# F660 Series

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

Outstanding reading range on high-density barcodes

More than 16" reading distance on 100% UPC/EAN symbols

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

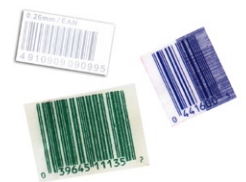
Optional vibrator for noisy working environment



The FuzzyScan F660 series bar code linear imager from Cino is built on cutting-edge FuzzyScan 2.0 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 F660 will boost your productivity and provide a path to stay ahead of the competition.

### Outstanding reading performance

Thanks to FuzzyScan 2.0 Imaging Technology, the F660 series is capable of reading damaged, dirty, poorly-printed and low contrast barcode labels that are commonly found in the real world quickly and accurately.



### Ergonomic design and durable construction

The Cino F660 is specifically designed to provide user's comfort with minimum strain for usage all day. And durable construction withstanding multiple 1.5m/5ft. drops to concrete will reduce your total cost of ownership.



### Increase productivity with SmartStand

To maximize user's efficiency and productivity for hand-free applications, F660 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	20% minimum reflective difference
Minimum Resolution	Typical 4 mil (code 39, PCS = 0.9)
Working Distance	More than 16 inches on 100% UPC/EAN symbols* More than 24 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 programming manual Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code manual Full-feature DataWizard via FuzzyScan PowerTool
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator

## Supported Symbolologies

1D Linear	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 (formerly RSS) Linear
-----------	--

## User Environment

Drop Specifications	Withstand multiple 1.5m/5ft. drops to concrete
Environmental Sealing	IP41
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Humidity	5% to 95% related humidity, non-condensing
Ambient Light Immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions

\* The working distances are measured in 400lux office environment using Grade A bar codes.

## Physical Characteristics

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 185 mA @5VDC Standby : Typical 85 mA @5VDC

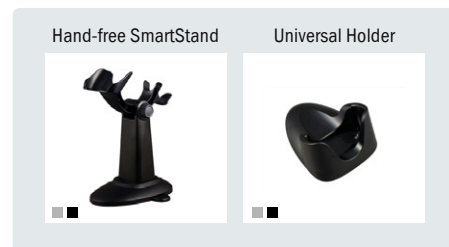
## Safety & Regulatory

EMI/RFI	FCC Part 15 Class B, ICES-003 Class B European Union EMC Directive (CE) Taiwan EMC (BSMI)
Safety	LED Eye Safety IEC60825-1
Environmental	Compliant with RoHS directive

## Accessories

Cables	USB Cable, PS/2 (DOS V) Keyboard Wedge Cable RS-232 Serial Cable USB Power Steal Cable
Others	Hand-free SmartStand Universal Holder

## Accessories



Colors Available : ■ black ■ light gray

VIC COMPUTER (HK) CO., LTD.  
域士電腦(香港)有限公司

**Tel: +852 8206 1828**

**Fax: +852 2725 0766**

**Email: Sales@VIC.HK**

**http: // VIC.HK**

**cino®**