

# SE380 Series

A Miniature, High Performance and Ease-of-Integration Scan Engine for OEM Applications

Ultra-compact and lightweight for easy integration into portable and fixed OEM devices

GS1 DataBar, PDF, MicroPDF and composite code support

Outstanding reading capability on 3 mil barcode with more than 2" depth of field

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

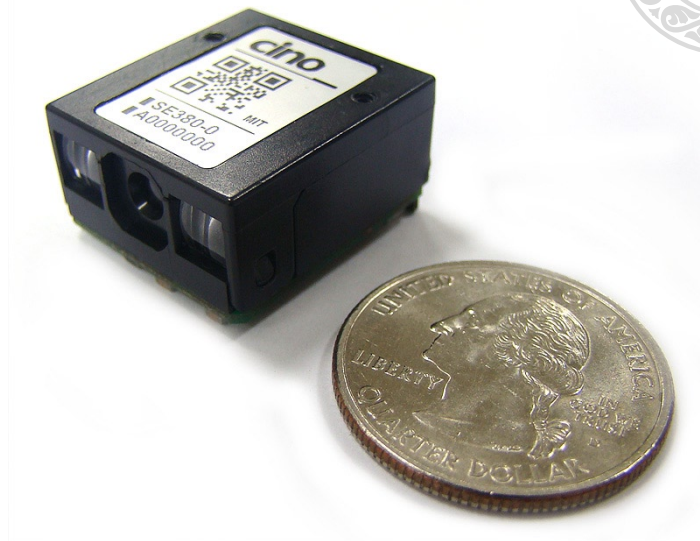
Superb readability on low contrast, smudged, poorly-printed or damaged barcodes

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

Support multiple host interfaces including RS232, USB HID, USB COM, Laser and Wand Emulations

Low power consumption extends battery life for battery-powered devices



Built with the state-of-the-art FuzzyScan 2.0 Imaging Technology and ultra-compact design, the unparalleled combination of outstanding scanning performance and miniature form factor make SE380 OEM scan engine from Cino ideal for a variety of OEM applications. The SE380 represents the best value in its class and delivers the promise of a true competitive advantage.



### Miniature and lightweight form factor

The ultra-compact and lightweight form factor allows SE380 to be integrated easily into different portable and fixed OEM devices where space is limited, including hand-held or fixed scanners, mobile computers and PDAs.

### Superb readability and linear-stacked support

Thanks to FuzzyScan 2.0 Imaging Technology, the SE380 series is capable of reading low contrast, damaged, smudged and poorly-printed barcodes labels quickly and accurately. Furthermore, the SE388 supports most popular linear-stacked barcodes, including PDF, MicroPDF, Codablock, GS1 DataBar Linear-stacked and Composite.



# Specifications

## Performance Characteristics

Optical System	High performance Linear Imaging Engine
Print Contrast	20% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Working Distance	More than 16 inches on 100% UPC/EAN symbols*
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° / ± 55°
Operating Modes	Low power, Trigger, Force, Level Alternative, Presentation
Host Interfaces	TTL RS-232 serial USB HID (USB Keyboard) USB COM port emulation Laser emulation and Wand emulation
Configuration Setup	Bar code command API Serial command
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan PowerTool

## Supported Symbologies

1D Linear (SE380)	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
Linear-stacked (SE388)	PDF417, Micro PDF417, Codablock GS1 Data Bar Linear-stacked and Composite

## User Environment

Operating Temperature	-20 °C to 60 °C (-4 °F to 140 °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

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

## Physical Characteristics

Dimension	23.0 mm (D) x 21.0 mm (W) x 11.9 mm (H) 0.91 in. (D) x 0.82 in. (W) x 0.47 in. (H)
Weight	6 g
Input Voltage	3.3VDC ± 10%
Current	Scanning : Typical 145 mA @3.3VDC Standby : 50 µA @3.3VDC
Connector	12-pin low profile

## Evaluation Kit

