FUZZYSCAN
www.cino.com.tw

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 3" depth of field
- Up to 34" reading range on general barcodes
- 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 and USB COM
- Low power consumption extends battery life for battery-powered devices

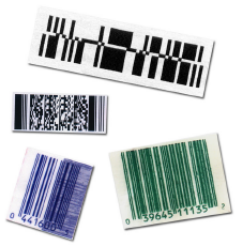
Built with the state-of-the-art FuzzyScan 3.0 Imaging Technology and ultra-compact design, the unparalleled combination of outstanding scanning performance and miniature form factor make SE380 OEM scan engine from Cino ideal for a variety of OEM applications. The SE380 represents the best value in its 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 3.0 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.



cino®

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	Up to 24 inches on 100% UPC/EAN symbols Up to 34 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)
Scan Angle	42˚
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
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, 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 (formly RSS) Linear & Linear-stacked
Linear-stacked (SE388)	PDF417, Micro PDF417, Codablock F 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 reading distances are measured under Cino's test environmental condition.

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

Safety & Regulatory

Safety	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive

Evaluation Kit

Evaluation Board