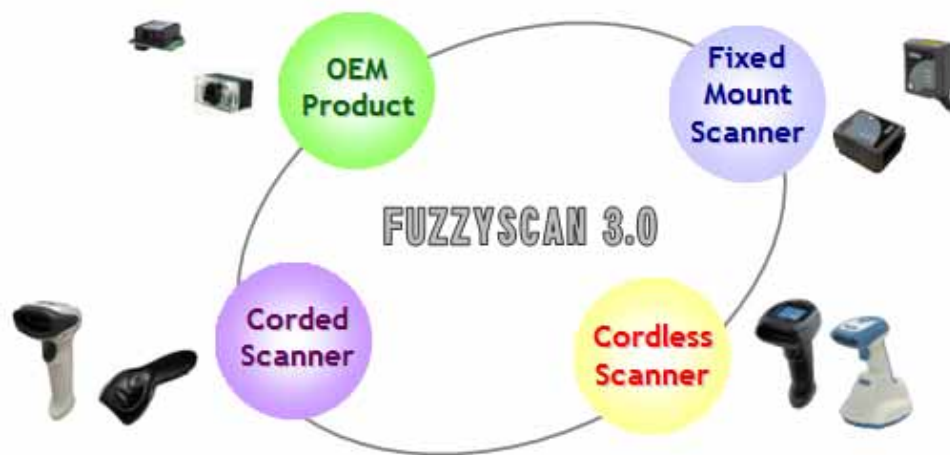


## Total Migration

**Powered by FuzzyScan 3.0 Technology,  
A great leap forward on reading performance of  
all FuzzyScan Family scanners**

### Introduction

Cino, a professional manufacturer of Auto Identification and Data Capture products is pleased to announce the Total Migration on all Cino FuzzyScan members. Thanks to Total Migration, we believe it not only brings exceptional price-performance value, lowest total cost of ownership (TCO), but also delivers superior return on investment (ROI) to protect your investment.



The Total Migration is an overall improvement powered by cutting edge FuzzyScan 3.0 Imaging Technology. It covers all FuzzyScan family products, including the new released 2D area imagers as well as existing linear imagers and laser imagers. Besides the high performance 2D area imagers, the linear imagers will deliver improved reading capability which is far better than that of FuzzyScan 2.0. The Total Migration will empower FuzzyScan products to fulfill diverse real-world barcode-capture requirements no matter what applications and environments are. It is the most ideal solution to boost your productivity and improve your efficiency.

### Total Migration Accomplishment

Thanks to the Total Migration, FuzzyScan family products will deliver following excellent improvement on reading performance:

- Outstanding longer depth of field (DOF)
- Faster scanning rate and improved motion tolerance
- Improved reading performance on low ambient light environments
- Superior reading capability on low PCS/MRD barcodes
- Superior reading capability on poor quality barcodes, such as damaged, poorly printed, smudged, and high-reflective surface barcodes

For the accomplishment of each FuzzyScan series, please refer to followings for details:

### 2D Area Imaging Scanners

Cino 2D Area Imager provides outstanding readability and superior reading performance. It's capable of fulfill your needs of today as well as future.

### Linear Imaging Scanners

#### F780 & F780BT

- Optimal wide-angle design enables ultra-wide bar codes readability
- Improved sharp and brighter aiming line
- Reading performance improvement is listed below:

Reading Performance	Existing	Improved
Min. Print Contrast (MRD)	20%	<b>15%</b>
Min. Resolution	3 mil	3 mil
3-mil Reading Range (Code39)	Over 2"	Over <b>3"</b>
13 mil Reading Range (UPC-A)	Up to 16"	Up to <b>24"</b>

F680 & F680BT

- Optimal wide-angle design enables ultra-wide bar codes readability
- Improved sharp and brighter aiming line
- Reading performance improvement is listed below:

Reading Performance	Existing	Improved
Min. Print Contrast (MRD)	20%	<b>15%</b>
Min. Resolution	3 mil	3 mil
3-mil Reading Range (Code39)	Over 2"	Over <b>3"</b>
13 mil Reading Range (UPC-A)	Up to 16"	Up to <b>19"</b>

F560 Series

- Reading performance improvement is listed below:

Reading Performance	Existing	Improved
Min. Print Contrast (MRD)	20%	20%
Min. Resolution	3.3 mil	<b>3 mil</b>
13 mil Reading Range (UPC-A)	Up to 10"	Over <b>13"</b>

**Laser Imaging Scanners**

L680, L780, L680BT, L780BT and L780WD

- Optimal wide-barcode readability
- Reading performance improvement is listed below:

Reading Performance	Existing	Improved
Min. Print Contrast (MRD)	20%	20%
Min. Resolution	3 mil	3 mil
3-mil Reading Range (Code39)	Over 2"	Over <b>3"</b>
13 mil Reading Range (UPC-A)	Up to 16"	Up to <b>24"</b>

### Scan Engines and Fixed Mount Scanners

SE380, SE480, FM480

- Optimal wide-barcode readability
- Reading performance improvement is listed below:

Reading Performance	Existing	Improved
Min. Print Contrast (MRD)	20%	20%
Min. Resolution	3 mil	3 mil
3-mil Reading Range (Code39)	Over 2"	Over <b>3"</b>
13 mil Reading Range (UPC-A)	Up to 16"	Up to <b>24"</b>

### Other Information

- \* SKU Part No.

The **improved F680/F780 and F680BT/F780BT** scanners will be equipped with newly-design optical engine, so the new part numbers will be applied to those SKUs. Please refer to ordering guide for details.

- \* Firmware Revision

Please note that all improved FuzzyScan scanners will have new firmware revision and **NOT** be compatible with existing versions. Please refer to following firmware revision for details.

Model No.	Total Migration F/W Rev.
F680 & F688	2.01.01 or above
F780 & F788	2.01.01 or above
L680 & L688	2.01.01 or above
L780 & L788	2.01.01 or above
F560 & F568	2.01.01 or above
SE380 & SE388	2.01.01 or above
SE480 & SE488	2.01.01 or above
FM480 & F488	3.01.01 or above
F680BT & F688BT	3.01.01 or above
F780BT & F788BT	3.01.01 or above
L680BT & L688BT	3.01.01 or above
L780BT & L788BT	3.01.01 or above
L780WD & L788WD	2.01.01 or above

- \* Firmware Upgrade

For the firmware upgrade of improved FuzzyScan scanners, you need to renew the installation of FuzzyScan Powertool. The new Cino\_FuzzyScan\_PowerTool\_2.05.01 will support both improved and existing versions.

- \* After Service and Maintenance of Existing Versions

We will continue to provide after service and maintenance to existing FuzzyScan scanners.

### Effective Day

The improved models powered by Total Migration will be available for order from October 1<sup>st</sup>, 2013.

**PC WORTH INT'L CO., LTD.**

**Product Development and Marketing Division**