## F400 Series

A Stylish, Cost-effective Bar Code Linear Imager
for Retail and Commercial Applications

FuzzyScan™

RoHS

- **Linear imaging architecture with sharp aiming line**

- **Superior reading performance with working range up to 5" from contact**

- **Ideal resolution for retail and general commercial applications**

- **Rugged construction to withstand multiple drops from 1.5-meter to concrete**

- **Compatible with most host systems through "all-in-one" universal interface**

- **Advanced data verifying and editing capability**

- **Folio style and ergonomic design, available for Gray and Black color choice**

- **Unique blue color LED for Power on indicator**

- **Vibrator option available upon request**

With a heritage of FuzzyScan's core technologies as well as the improved linear imaging architecture, the all new ultra-stylish bar code FuzzyScan F400 series linear imager is born with superior reading performance and premium functionality. The F400 has set up a new standard as the most perfect solution to replace traditional bar code contact-readers. Even more, it also can be granted as a cost-effective "laser-replacement" solution to meet your demand and budget at the same time.

### Modern Yet Rugged Design

The F400 series is designed with streamlined and ergonomic form factor, not only integrating the fashion into daily work, but also providing user with maximum comfort. Robust construction withstands multiple drops from 1.5-meter to concrete, the F400 provides extreme durability you can count on.

### Exceptional Readability

The new improved linear imaging architecture of F400 delivers superior working range from contact up to 5". Incorporated with high bright aiming line design, the F400 can capture bar code quickly and accurately. These outstanding features help you to improve operational efficiency and unleash your productivity.

### All-in-one Multi-interface

The F400 series is equipped with universal interfaces to support most host systems, such as PS/2 keyboard wedge or keyboard direct, RS232 serial, USB keyboard and USB serial. Thanks to the changeable detached cable, F400 enables you to integrate your existing system in a breeze, while providing flexible connectivity for immigration in the future.

### All-around Functionality

The embedded DataWizard allows you to modify scanned data before sending it to the host system. This will eliminate any costly modifications to the host software for pursuing the extreme compatibility. Moreover, the FuzzyScan PowerTool enables you to perform configuration setup, download and upload easily. Thanks to the built-in flash memory, the field upgrade feature allows F400 to keep updated always for investment guaranty.

To Boost your maximum productivity while getting exceptional performance, the high-value F400 is your best choice to meet the demands of retail and general commercial applications.

Gray and Black colors are available for user's choice.



Bright aiming line for easy data-capture up to 5" from contact.



Optimized two-side triggers for intuitive operation.



Replaceable detached cable compatible with various host systems.

## Optical

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|---|---|
| Optical System | Linear Imager Architecture |
| PCS | Typical 0.45 ; Maximum 0.3 (EAN13, 0.26mm) |
| Resolution | Typical 5 mil; Maximum 4 mil (Code39, PCS=0.9) |
| Depth of Field | 5 mil contact reading; up to 5" capture on 15.6 mil bar code |
| Scan Rate | Dynamic scanning up to 200 scans/second |
| Light Source | High brightness 660nm visible LED |
| Reading Direction | Bi-directional (forward or backward) |
| Reading Width | Typical 65mm on contact reading; Up to 100~120mm on distance reading (Including quiet zone) |
| Tilt Angle (EAN13, PCS=0.9, 13 mil) | Forward and backward : 2 - 20 degree ; Left and right : 0 - 15 degree ; Rotation : 15 degree ; Curvature : R=25mm |

**Readable Bar Code Symbologies**

- Standard Code 39, Full ASCII Code 39
- Code 32, HIBC, Code 93, Code 11
- Codabar (Standard, ABC, CLSI, CX), NW-7
- Code 128 (Set A, B, C), UCC/EAN-128
- WPC (UPC/EAN/JAN/CAN) with Addendum
- MSI/Plessey, UK/Plessey, IATA

- Standard and Industrial 2 of 5
- Matrix 2 of 5, Interleaved 2 of 5, ITF
- Mainland China Post Code
- German ITF Post Code
- Telepen (Numeric and Alphanumeric)
- GS1 DataBar (RSS) - Limited/Expanded

## Operational

**Operating Modes**

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| Toggle mode | Force mode | Flash mode | Alternative mode |
| Trigger mode | Diagnostic mode | Level mode | Low power mode |

**Host Interfaces**

F430

IBM PC/XT, PC/AT, PS/2 keyboard wedge
Compaq, HP Vectra PC keyboard wedge
Generic PC/AT, PS/2 keyboard direct-link
Generic Notebook PC keyboard direct-link
Apple MAC & Power MAC ADB keyboard wedge & direct-link
Standard/TTL RS-232 peer-to-peer serial interface
Standard/TTL RS-232 serial wedge
Pseudo (Inverted) RS-232 serial interface
Laser Emulation & Wand emulation
Cino OmniKey & VersaNet direct-link
IBM SourOne keyboard wedge & serial interface
USB keyboard direct-link
IBM ThinkPad keyboard wedge & direct-link
IBM PS/55 & PS/V keyboard wedge
Hitachi Flora KB1100 & KB3100 keyboard wedge
DOS/V keyboard wedge & direct-link
Fujitsu FMV keyboard wedge
NEC NX Notebook keyboard direct-link
NEC PC-98xx keyboard wedge
Kana-key detection is available for several host interfaces.

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|---|---|
| Configuration Setup | Bar code programming manual<br>Windows utility - FuzzyScan PowerTool.NET |
| Data Editing | Condensed DataWizard via bar code programming manual<br>Full-feature DataWizard via FuzzyScan PowerTool.NET |
| Special Features | Built-in flash memory for Field Upgrade via FuzzyScan PowerTool.NET<br>3 LED indicators Power      BLUE<br>Good read  GREEN<br>Program mode  RED |
| Cable Structure<br>Available interface cables | Detachable Interface Cable design<br>USB HID keyboard<br>USB Serial<br>PS/2 keyboard wedge<br>RS-232 Serial (9 pin D-sub) |

## Electronical

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|---|---|
| Power Consumptions | Regular Operation : Typical 150mA |