

FBC4000 Series

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



- 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 Beige 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 FBC4000 series linear imager is born with superior reading performance and premium functionality. The FBC4000 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 FBC4000 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 FBC4000 provides extreme durability you can count on.

Exceptional Readability

The new improved linear imaging architecture of FBC4000 delivers superior working range from contact up to 5". Incorporated with high bright aiming line design, the FBC4000 can easily 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 FBC4000 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, FBC4000 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 FBC4000 to keep updated always for investment guaranty.

To Boost your maximum productivity while getting exceptional performance, the high-value FBC4000 is your best choice to meet the demands of retail and general commercial applications.





FBC4000 Series Specification Highlights



Beige 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 |

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| Readable Bar Code Symbologies | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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) |
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Operational

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| Operating Modes | Toggle mode Trigger mode | Force mode Diagnostic mode | Flash mode Level mode | Alternative mode Low power mode |
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| Host Interfaces | FBC4360 | 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 Windows utility - FuzzyScan PowerTool.NET |
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| Data Editing | Condensed DataWizard via bar code programming manual Full-feature DataWizard via FuzzyScan PowerToo.NET |
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| Special Features | Built-in flash memory for Field Upgrade via FuzzyScan PowerTool.NET 3 LED indicators Power BLUE Good read GREEN Program mode RED |
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| Cable Structure Available interface cables | Detachable Interface Cable design USB HID keyboard USB Serial PS/2 keyboard wedge RS-232 Serial (9 pin D-sub) |
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Electronical

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| Power Consumptions | Regular Operation : Typical 150mA |
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