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F430 Series

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

RoHS

FuzzyScan™

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

- **Superior reading performance with working range up to 6" 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 F430 series linear imager is born with superior reading performance and premium functionality. The F430 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 F430 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 F430 provides extreme durability you can count on.

Exceptional Readability

The new improved linear imaging architecture of F430 delivers superior working range from contact up to 6". Incorporated with high bright aiming line design, the F430 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 F430 series is equipped with universal interfaces to support most host systems, such as PS/2 keyboard wedge or keyboard direct, RS232 serial, USB HID and USB COM. Thanks to the changeable detached cable, F430 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 F430 to keep updated always for investment guaranty.

To Boost your maximum productivity while getting exceptional performance, the high-value F430 is your best choice to meet the demands of retail and general commercial applications.

F430 Series Specification Highlights

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

Bright aiming line for easy data-capture up to 6" from contact.

Optimized two-side triggers for intuitive operation.

Replaceable detached cable compatible with various host systems.

Optical

Optical System	Linear Imager Architecture
Print Contrast	20% minimun reflective difference (EAN 13, 0.26mm)
Minimun Resolution	Minimum 4 mil (Code39, PCS=0.9)
Working Distance	4 mil contact reading; up to 6" capture on 15.6 mil bar code
Scan Rate	Dynamic scanning up to **250** 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 (13 mil EAN13, PCS=0.9)	Forward and backward : 5 - 20 degree Left and right : 0 - 15 degree
Readable Bar Code Symbologies	• Standard Code 39, Full ASCII Code 39 • Standard and Industrial 2 of 5 • Code 32, HIBC, Code 93, Code 11 • Matrix 2 of 5, Interleaved 2 of 5, ITF • Codabar (Standard, ABC, CLSI, CX), NW-7 • Mainland China Post Code • Code 128 (Set A, B, C), UCC/EAN-128 • German ITF Post Code • WPC (UPC/EAN/JAN/CAN) with Addendum • Telepen (Numeric and Alphanumeric) • MSI/Plessey, UK/Plessey, IATA • GS1 DataBar (RSS) - Limited/Expanded

Operational

Operating Modes	Toggle mode Force mode Flash mode Alternative mode Trigger mode Diagnostic mode Level mode Low power mode
Host Interfaces	PC/AT, PS/2(DOS V) keyboard wedge PC/AT, PS/2(DOS V) keyboard direct-link Generic Notebook PC keyboard direct-link RS-232 serial USB HID (USB Keyboard) USB COM (USB Serial)
Configuration Setup	Bar code programming manual Windows utility - FuzzyScan PowerTool.NET
Data Editing	Condensed DataWizard via bar code programming manual Full-feature DataWizard via FuzzyScan PowerToo.NET

Special Features	Built-in flash memory for Field Upgrade via FuzzyScan PowerTool.NET
	3 LED indicators Power BLUE
	                   Good read GREEN
	                   Program mode RED

Cable Structure **Available interface cables**	Detachable Interface Cable design USB HID Cable USB COM Cable PS/2 (DOS V) Keyboard Wedge Cable RS-232 Serial (9 pin D-sub) Cable

Electronical

Power Consumptions	Regular Operation : Typical 150mA

Mechanical

Dimension (L x W x D)	230mm x 170mm x 100mm

Accessories

Universal Holder

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