

# FUZZYSCAN FAMILY

Quick Start Guide

FUZZYSCAN

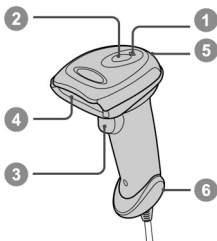
BARCODE IMAGER

**cino**

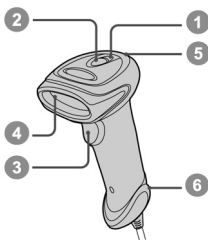
# Getting Familiar with Your FuzzyScan

Thank you for choosing Cino FuzzyScan Imager. All FuzzyScan imagers deliver world-class performance for a broad range of applications to unleash your productivity. This document provides an easy reference for installation and operation purposes. A complete documentation is provided by the FuzzyScan Programming Manual available at [www.cino.com.tw](http://www.cino.com.tw).

## F700 Series

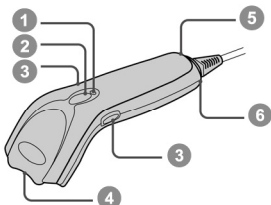


## F600 Series



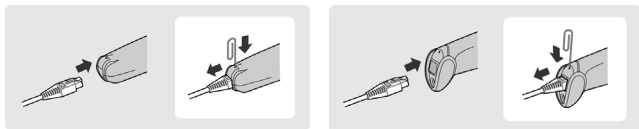
- 1 Power Indicator
- 2 Status Indicator
- 3 Trigger
- 4 Scan Window
- 5 Beeper
- 6 Cable Release Hole

## F400 Series



# Connecting to Your Host

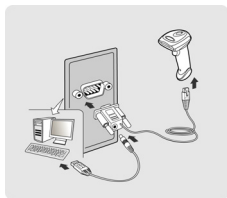
FuzzyScan imagers support PS/2(DOS/V) Keyboard Wedge, RS-232 Serial, and USB interfaces. Please choose your desired interface cable, then plug it into the cable interface port of the imager and connect it to the host. If you would like to remove the cable, please straighten one end of a paper clip, then insert it into the cable release hole to pull out the cable.



## USB



## RS232 Serial



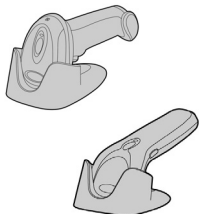
## PS/2(DOS/V) Keyboard Wedge



# Using Accessories

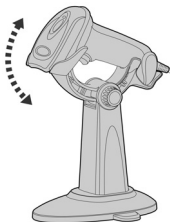
You can enhance productivity of your workforce by using various accessories to fulfill a wide variety of application demand.

## Universal Holder



A stylish Universal Holder is designed for storing your imager when not in use. It serves to protect the imager from lens-scratched or falling. Moreover, its artistic-design enhances the entire value of the imager.

## Hand-free SmartStand



A SmartStand is specifically designed for hand-free applications to maximize user's comfort and productivity. You can adjust the scanner holder to desired position for optimized scanning.

Thanks to the auto-sense design, the imager is capable of switching between presentation scanning and hand-held scanning automatically while working with SmartStand.



Please note that the SmartStand is not applicable for F400 Series imager.

# Host Interface Quick Set



RS232 Serial



PS/2 (DOS/V) KBW Standard Mode



USB HID Standard Mode ◆



USB Com Port Emulation



Keyboard Replacement



PS/2 (DOS/V) KBW Turbo Mode



USB HID Turbo Mode

# Operation Mode Quick Set



Low Power (Low power trigger)



Presentation (Auto sensing)



Flash (Pulse driven reading)



Toggle (Repeat reading)



Level (Auto power off)



Trigger Mode (External trigger) ◆



Alternative (Periodic power off)



Force (Continued power on)



Diagnostic (Test reading)

# Keyboard Interface Quick Set

## - Record Suffix -



None



TAB



ENTER



RETURN ◆



SPACE

## - Keyboard Layout -



USA ◆



Germany



Canadian French



Latin America



Japan



France



United Kingdom-UK



Spain



Netherlands

# Serial Interface Quick Set

## - Record Suffix -



None



CR ◆



LF



CRLF



TAB



SPACE

## - Baud Rate -



38.4K BPS



19.2K BPS



9600 BPS ◆



4800 BPS



2400 BPS



1200 BPS



600 BPS



300 BPS

## - Data Frame -



8, None, 1 ◆



8, Odd, 1



8, Even, 1



8, Space, 1



8, Mark, 1



8, None, 2



7, Odd, 1



7, Even, 1



7, Space, 1



7, Mark, 1



7, None, 2



7, Odd, 2



7, Even, 2



7, Space, 2



7, Mark, 2

# System Commands



**PROGRAM**  
(Enter Programming Mode)



**END**  
(Exit Programming Mode)



**System Information**



**Factory Default**



**Master Default**



**PowerTool Host Link**















**Save User Default**



**User Default**



# Keyboard Interface Control

Command	Parameter Selection		Option Code	
<b>Keyboard Layout</b> 	USA ◆ France Germany United Kingdom-UK Canadian French Spain Sweden/Finland Portugal Norway	Latin America Italy Netherlands Denmark Belgium Switzerland-Germany Iceland Japan Universal	00 01 02 03 04 05 06 07 08	09 10 11 12 13 14 15 16 19
<b>Record Suffix</b> 	None RETURN ◆ TAB SPACE	ENTER User define character	0 1 2 3	4 5
<b>Preamble</b> 	None ◆ 1-15 characters		FIN [00-7F], [FIN]	
<b>Postamble</b> 	None ◆ 1-15 characters		FIN [00-7F], [FIN]	
<b>Intermessage Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Intercharacter Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Interfunction Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Caps Lock Control</b> 	"Caps Lock Off" State ◆ "Caps Lock On" State Auto Detect		0 1 2	
<b>Caps Lock Release Control</b> 	"Caps Lock On, Caps Off" ◆ "Caps Lock On, Shift Off"		0 1	
<b>Function Key Emulation</b> 	Enable ASCII 00-31 as KB function code output ◆ Enable ASCII 00-31 as Ctrl-xx output		0 1	
<b>Key Pad Emulation</b> 	Disable key pad emulation ◆ Enable numeric output as key pad output		0 1	
<b>Upper/Lower Case</b> 	Normal case ◆ Inverse case Upper case Lower case		0 1 2 3	

# Serial Interface Control

Command	Parameter Selection		Option Code	
<b>STX/ETX Control</b> 	Disable STX/ETX transmission ◆ Enable STX/ETX transmission		0 1	
<b>Record Suffix</b> 	None CR ◆ LF CRLF	TAB SPACE User define character	0 1 2 3	4 5 6
<b>Preamble</b> 	None ◆ 1-15 characters		FIN [00-7F], [FIN]	
<b>Postamble</b> 	None ◆ 1-15 characters		FIN [00-7F], [FIN]	
<b>Handshaking Protocol</b> 	None ◆ RTS/CTS ACK/ NAK Xon/Xoff		0 1 2 3	
<b>Intermessage Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Intercharacter Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Interfunction Delay</b> 	None ◆ 1-99 (x5) msec.		FIN (2 digits)	
<b>Serial Response Time-out</b> 	None 200 msec. 500 msec. ◆ 1 sec.	2 sec. 5 sec. User define value (sec.)	0 1 2 3	4 5 6

## Message String Breakdown














### Keyboard interface output (PS/2, DOS/V, USB HID)

Preamble	Data Length	Prefix ID	Scanned Data	Suffix ID	Postamble	Record Suffix
1-15 char.	2-3 digits	1 or 2 char.	Variable	1 or 2 char.	1-15 char.	1 char.

### Serial interface output (RS-232, USB COM Port Emulation)

STX	Preamble	Data Length	Prefix ID	Scanned Data	Suffix ID	Postamble	ETX	Record Suffix
1 char.	1-15 char.	2-3 digits	1 or 2 char.	Variable	1 or 2 char.	1-15 char.	1 char.	1 char.

# Operation and Output Control

Command	Parameter Selection		Option Code	
<b>Inverse Reading</b> 	Disable ◆ Enable		0 1	
<b>Redundancy</b> 	None Level 1 ◆ Level 2 Level 3	Level 4 Level 5 Scan Voting	0 1 2 3	4 5
<b>Dollar Sign Output</b> 	Dollar sign output as "\$" ◆ Dollar sign output as "¥" Dollar sign output as "€"	Dollar sign output as "£" Dollar sign output as "¤"	0 1 2	3 4
<b>Presentation Control</b> 	Presentation mode ◆ Flash mode Force mode		0 1 2	
<b>Presentation Auto-sense</b> 	Disable Enable ◆		0 1	
<b>Presentation Sensitivity</b> 	Level 1 Level 2 Level 3 Level 4	Level 5 ◆ Level 6 Level 7	0 1 2 3	4 5 6
<b>Power On Indicator</b> 	Disable (LED off) LED steady on ◆ LED flash		0 1 2	
<b>Buzzer Tone Control</b> 	Buzzer tone – mute Buzzer tone – low Buzzer tone – medium ◆ Buzzer tone – high	Buzzer tone – extremely high Power-on beep ◆ No Power-on beep	0 1 2 3	4 5 6
<b>Good Read Delay</b> 	None ◆ 200 msec. 500 msec. 1 sec.	1.5 sec. 2 sec. 3 sec.	0 1 2 3	4 5 6
<b>Reread Delay</b> 	Disable Immediate time out ◆ Short time out Medium time out	Long time out Force verification Double Scan Verification	0 1 2 3	4 5
<b>Good Read Duration</b> 	Short Medium ◆ Long	Extremely long Extremely short	0 1 2	3 4
<b>Hand Free Time-out</b> 	Short ◆ Medium Long Extremely long		0 1 2 3	
<b>Light Source On Time</b> 	Short ◆ Medium Long Extremely long		0 1 2 3	

# Option Codes



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



FIN (Finish)







END (Exit)

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## Regulatory

	FCC part 15B
	EN55022, EN55024, EN61000-3-2, EN61000-3-3
	CNS13438
	Industry Canada ICES-003
<b>LED Eye Safety</b>	IEC60825-1, EN60825-1

 **www.cino.com.tw**

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