



## Leitor Argox AS-8060

O Leitor Argox AS-8060 é ideal para todos os segmentos do varejo de pequeno a médio porte. Além de robusto, o AS-8060 apresenta design ergonômico, oferecendo conforto ao usuário e um gatilho resistente para uso diário intenso.





# AS-8060

## Barcode Scanner

### User Manual



<http://www.argox.com>  
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## Revision History

Changes to the user manual are listed below:

<b>Version</b>	<b>Date (Y/M/D)</b>	<b>Description</b>	<b>Page #</b>
1.0	2019/7/30	Initial release	
1.3	2019/11/20	Updated the specifications of the scanner	56
1.4	2019/12/17	Gave an easy way to switch to Presentation Mode with a graphic explanation	2
1.5	2020/8/24	Modified the description of Disable code39 transmit and Enable code39 transmit	32 / 33
1.6	2020/10/20	Modified the specification of resolution	2 / 56

## Regulatory Compliance

### FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

### CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.





Note: All brands and trademarks are the property of their respective owners.



Note: The specifications contained herein are subject to change without notice.

**警告使用者:**

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

設備名稱：條碼閱讀器 Equipment name		型號（型式）：AS-8060 Type designation (Type)				
單元 Unit	限用物質及其化學符號 (Restricted substances and its chemical symbols)					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr <sup>6+</sup> )	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
印刷電路板組件	—	○	○	○	○	○
機殼	○	○	○	○	○	○
線材	○	○	○	○	○	○
掃描模組	—	○	○	○	○	○

備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。  
Note 1: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考2. “—” 係指該項限用物質為排除項目。  
Note 2: The “—” indicates that the restricted substance corresponds to the exemption.

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## Introduction

Your AS-8060 is a 1D CCD scanner that has been configured at the factory with default settings.

Since many host systems have unique formats and protocol requirements, Argox provides a wide range of configurable features that may be selected using this bar code based configuration tool. Once the configuration is completed, the scanner stores the settings in nonvolatile memory. The embedded memory saves the settings when the power is turned off.

Turn off the computer's power before connecting the scanner, and then power up the computer once the scanner is fully connected.

You can change a parameter value in the way described below:

- ✧ Scan the appropriate bar codes in this guide. These new values replace the standard default values in memory.

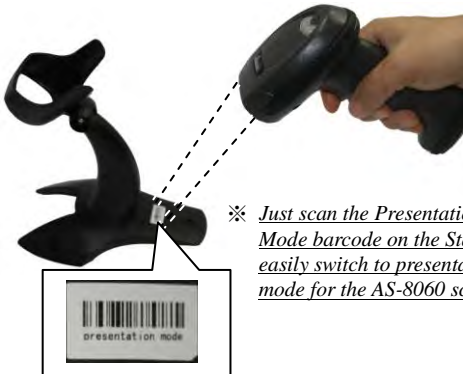
**NOTE: Most computer monitors allow scanning the bar codes directly on the screen. When scanning from the screen, be sure to set the document magnification to a level where you can see the bar code clearly, and bars and/or spaces are not merging.**

## Application Field:

- ✓ Jewelry Tag
- ✓ Manufacturing
- ✓ Transportation & Logistics
- ✓ Healthcare

## Feature:

- Rich to make daily work simple and easy
- 2500 pixels CCD image sensor
- Scan Speed  $\geq 270$  times/sec
- Max. reading resolution: 3mil (0.0762mm)
- Depth of Field: 15~330mm  
(EAN, 13mil/0.33mm, PCS 90%)
- Drop resistance: 1.5 meters onto the concrete
- Auto-sensing (presentation) mode available



※ Just scan the Presentation Mode barcode on the Stand to easily switch to presentation mode for the AS-8060 scanner.

Presentation Mode Barcode



## Unpacking

Make sure all of the following items are included in your package.

- ✓ Scanner x1
- ✓ Stand x1
- ✓ Quick Start Guide x1
- ✓ USB Cable x1

When you receive your scanner, open the package immediately and inspect for shipping damage. If you discover any damage, contact the shipping company and file a claim. Argox is not responsible for any damage incurred during shipping. Save all package materials for the shipping company to inspect.



---

**Note** If any item is missing, please contact your local dealer.

---

## Get started

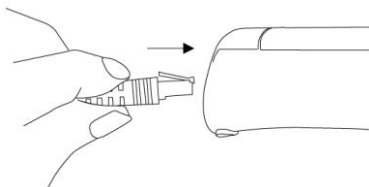
This chapter provides information about how to install, connect and use your scanner to do your work.

### Installation

This section describes how to set up your scanner.

#### Set up your scanner

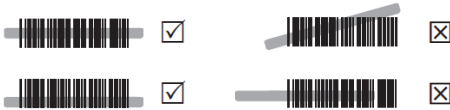
1. Plug the RJ45 connector into your scanner's RJ45 port, until you hear a click.



2. Connect the USB connector to your computer.
3. Turn on your computer. It detects your scanner automatically.
4. To test your scanner, start a text processing program like Notepad or Microsoft Word. Scan a bar code and see if the data can be sent to your computer. If it's successful, you'll hear a beep and the bar code data shows in the program.

## How to scan

AS-8060 emits a light bar when it is scanning. To scan a barcode, make sure the aiming beam crosses every bar and space of the barcode. This bar needs to cross the bar code horizontally to decode it.



## Controls and settings

Customize your scanner to work efficiently. AS-8060 offers many features to match your preferences. This chapter provides information about how to change controls and settings of your scanner.

### Version information setting code

Version (custom)



000A0

Display internal string (custom)



000A1

Display serial number (custom)



000A2

Factory default



000B0

Enable the code setting function



09990

Disable the code setting function



09991

## Interface mode setting code

AS-8060 supports USB HID and virtual COM. By default, your scanner is able to detect the interface automatically. When it detects USB, it selects HID as your scanner's interface.

USB-HID (Default)



USB Virtual Com



**Note:** If you use the scanner that communicates with your computer via a serial interface (e.g. COM1...COM8), but your computer does not have any serial port, you will require a so-called virtual COM port driver. This virtual COM port driver allows you to assign a virtual COM port connection number to your computer connected via a USB port and enables bidirectional communication between your computer and this scanner.

To download the USB virtual COM port driver of AS-8060 scanner, go to the Argox global website (<http://www.argo.com/>).

After downloading the driver, start to install it. When you finish installing the driver, it is suggested to restart your computer. The system will automatically detect the scanner.

## Scan mode setting code

Trigger mode (default)



013340

Continuous scan mode



013344

Presentation mode



013380

Key delay



013342

Single not triggered



013341

Key delay not triggered



013343

Auto flashing



013345

## Sound setting code

Sound on (default)



014201

Sound off



014200

Buzzer frequency 2048



0145800

High volume sound



014300

Low volume sound



014301

Buzzer frequency 2731



0145AAA

## Character delete / insert / replacement setting

Code ID off (default)



01400

Code ID on



01401

Rear code ID on



01402

Display code front character  
(default)



0201x

Hide code front blank



0200[SPACE]

Display code rear character  
(default)



0203

Hide code rear character n  
("n" indicates a blank key.)



Display characters inside code  
(default)



Hide – inside code



Disable A replace 0 in code  
(default)



Enable A replace 0 in code



Display rear characters (default)



Hide rear 5 characters



Hide rear 1 characters



Display front characters (default)



Hide front 5 characters





Display middle characters  
(default)



Hide 5 middle characters



Forward start from 4th character



FUNC1 replace with 1



FUNC2 replace with 2



FUNC3 replace with 3



FUNC4 replace with 4



Disable enter replace (default)



Enter replace with 5



## Serial port setting

Baud rate 600bps



Baud rate 1200bps



Baud rate 2400bps



Baud rate 4800bps



Baud rate 9600bps (default)



Baud rate 19200bps



Baud rate 38400bps



Baud rate 57600bps



Baud rate 115200bps



Serial Port: No Check



Serial port: XON/OFF



Serial port: RTS/CTS



Serial port handshake timeout 2s



Serial port handshake timeout 5s



Serial port 8-bit data



Serial port 7-bit data



Serial port 1 stop bit



Serial port 2 stop bits



Serial port No parity check



Serial port odd parity check



Serial port even parity check



## Normal function setting code

Enable upload setting barcodes



Disable upload setting barcodes  
(default)



FUNC cast light upon cancel  
(default)



Disable change



All uppercase



All lowercase



Uppercase interchange  
with lowercase



Enable command beep



Disable command beep



01410

Forward image identify (default)



00161

Reverse image identify



00160

Fastest transmit rate



001500

Medium transmit rate (default)



001502

Lower transmit rate



001504

Lowest transmit rate



001506

## Prefix / suffix setting

CR



0212@r

CR+LF



0213@r\n

All barcodes (rear) add ETX



0211@[ETX]

All barcodes (front) add F2



02160081

All barcodes (rear) add F2



02110081

Cancel all barcodes (rear)  
format character



0210@

Add STX before barcodes



0217@[STX]

Cancel all boots before  
barcodes



0215@

Add prefix



02240

Add suffix



02241

Exit add pre/suffix Mode



Clear all prefix



Clear all suffix



Enter hidden front character mode



Enter hidden rear character mode



Enter hidden middle character mode



Enter the hidden Nth character mode



## Multi-language setting code

English (default)



Canada (French)



Dutch (Netherlands)



0005002

Spain (Spanish)



0005003

Argentina (Latin American)



0005004

Brazil (Portuguese)



0005005

Denmark (Danish)



0005006

UK (English)



0005007

Italy (Italian142)



0005008

France (French)



0005009

German (Germany)



0005010

Norway (Northern Sami)



0005011



Sweden, Finland  
(Swedish, Finnish)



Slovak (Slovakia)



Portuguesa (Portuguese)



Czech Republic (Czech)



Belgium (Dutch)



Turkey-F



Turkey-Q



Poland (Polish214)



Switzerland (German, French)



Croatia (Srb-Crt)



0005021

Hungary (Hungarian)



0005022

Japan (Japanese)



0005023

Russia (Russian)



0005024

Arabic (Egypt)



0005025

## Character table

(For adding pre/suffix)



1001  
SOH



1003  
ETX



1002  
STX



1004  
EOT



1006  
ACK



1005  
ENQ



1007  
BEL



1009  
TAB



1008  
Backspace



1010  
Line



1012  
FF



1011  
VT



1013  
Enter



1015  
SI



1014  
SO



1016  
DLE



1018  
DC2



1017  
DC1

21



1019  
DC3



1021  
NAK



1020  
DC4



1022  
SYN



1024  
CAN



1023  
ETB



1025  
EM



1027  
ESC



1026  
SUB



1028  
FS



1030  
RS



1029  
GS



1031  
US



1033  
!



1032  
SPACE



1034  
“



1036  
\$



1035  
#



1037  
%



1039  
,



1038  
&



1040  
(



1042  
\*



1041  
)



1043  
+



1045  
-



1044  
,



1046



1048

0

Note: Used to set  
address/prefix/suffix



1047

/



1049

1

Note:  
Used to set address/prefix/suffix



1051

3

Note:  
Used to set address/prefix/suffix



1050

2

Note:  
Used to set address/prefix/suffix



1052

4

Note:  
Used to set address/prefix/suffix



1054

6

Note:  
Used to set address/prefix/suffix



1053

5

Note:  
Used to set address/prefix/suffix



1055

7

Note:  
Used to set address/prefix/suffix



1057

9

Note:  
Used to set address/prefix/suffix



1056

8

Note: Used to set address/prefix/suffix



1058

:



1060

<



1059

;



1061

=



1063

?



1062

>



1064

@



1066

B



1065

A



1067

C



1069

E



1068

D



1070  
F



1072  
H



1071  
G



1073  
I



1075  
K



1074  
J



1076  
L



1078  
N



1077  
M



1079  
O



1081  
Q



1080  
P



1082  
R



1084  
T





1083  
S



1085  
U



1087  
W



1086  
V



1088  
X



1090  
Z



1089  
Y



1091  
[



1093  
]



1092  
\



1094  
^



1096  
`



1095  
-



1097

a



1099

c



1098

b



1100

d



1102

f



1101

e



1103

g



1105

i



1104

h



1106

j



1108

l



1107

k



1109

m



1111

o



1110  
n



1112  
p



1114  
r



1113  
q



1115  
s



1117  
u



1116  
t



1118  
v



1120  
x



1119  
w



1121  
y



1123  
{



1122  
z



1124

|



1126

~



1125

}



1127

Delete



1129

F2



1128

F1



1130

F3



1132

F5



1131

F4



1133

F6



1135

F8



1134

F7



1136

F9



1138

F11



1137  
F10



1139  
F12



1141  
HOME



1140  
INSERT



1142  
Page up



1144  
END



1143  
Delete



1145  
Page down



1147  
Left arrow



1146  
Right arrow



1148  
Down arrow



1149  
Up arrow

## Enable / disable barcodes

Enable code39



Disable code39



Code39 ID as m



Enable code39 Full ASCII  
(default)



Disable code39 Full ASCII



Disable code39 MOD43 Check  
(default)



Enable code39 MOD43 Check



Enable code39 transmit check



Disable code39 transmit check



Disable code39 transmit “\*”  
(default)



Enable code39 transmit “\*”



Disable code32 (default)



Enable code32

Note: It will affect code39.



Code39 TAB Mode



System characters hiding code32



System characters sending  
code32



Setting the CODE39 to a min.  
length of 1

Software version available before  
and after V7.53



Setting the CODE39 to a min.  
length of 2 (default)

Software version available before  
and after V7.53



Setting the CODE39 to a min.  
length of 3

Software version available before  
and after V7.53



Code39 min. length 1  
(software version available  
before V7.53)



Code39 min. length 2 (default)  
Software version available after  
V7.53



Code39 min. length 3  
Software version available after  
V7.53



Enable UPC-A (default)



Disable UPC-A



UPC-A ID as e



Enable UPC-A change to  
EAN-13



Disable UPC-A change to  
EAN-13 (default)



Transmit UPC-A check digit  
(default)



No-transmit UPC-A check  
digit





UPC-A display system digit



UPC-A hide system digit



Enable UPC-E (default)



Disable UPC-E



UPC-E ID as f



Enable UPC-E change to  
UPCA



Disable UPC-E change to  
UPC-A (default)



UPC-E hiding system  
characters



UPC-E sending system  
characters



UPC-E sending check digits



UPC-E not sending check digits



Enable EAN-13 (default)



Disable EAN-13



EAN-13 ID as d



Transmit EAN-13 Check digit  
(default)



No-transmit EAN-13 check digit



Enable EAN-13 change to ISBN



Disable EAN-13 change to ISBN (default)



Enable EAN-13 change to ISSN



Disable EAN-13 change to  
ISSN (default)



Enable EAN-13 multiple verify



Disable EAN-13 multiple  
verify (default)



Enable EAN-8 (default)



Disable EAN-8



EAN-8 ID as c



EAN-8 transmit check digit  
(default)



EAN-8 No-transmit check digit



EAN-8 hide system digit



EAN-8 display system digit  
(default)



Enable 5-digit supplement



Enable 2-digit supplement



Enable 2-digit  
& 5-digit supplements



Disable supplement (default)



Enable code93 (default)



Disable code93



Code93 ID as i



Enable code93 multiple verify



Disable code93 multiple verify  
(default)



Enable Code93 MOD47  
(default)



Disable Code93 MOD47



Enable code128 (default)



Disable code128



Code128 ID as a



Disable code128 multiple  
verify (default)



Enable code128 multiple verify



Enable codabar (default)



Disable codabar



Codabar ID as v



Codabar min. length 4



Codabar start /  
stop character transmission



Codabar start / stop character  
without transmission (default)



Enable interleaved 2 of 5  
(default)



Disable interleaved 2 of 5



Interleaved 2 of 5 ID as n



Interleaved 2 of 5 min. length 4



Enable Interleaved 2 of 5 ID  
check



Disable Interleaved 2 of 5 ID  
check



No transmission of check on  
Interleaved 2 of 5 ID



Transmission of check  
on Interleaved 2 of 5 ID



Enable bank mode



Disable bank mode



Enable industrial 2 of 5  
(default)



Disable industrial 2 of 5



Industrial 2 of 5 ID as o



Industrial 2 of 5 min. length 3



Enable MSI



Disable MSI (default)



MSI ID as s



MSI min. length 4



Enable Plessey



Disable Plessey (default)



Plessey ID as t



Plessey min. length 3



Enable code11 (default)



Disable code11



code11 ID as u



Code11 min. length 4



Code11 auto CK check



Code11 C check (default)





Code11 CK check



01273

Enable Matrix 25 (default)



01461

Disable Matrix 25



01460

Matrix 25 ID as q



00147q

Matrix 25 min. length 2



014802

Matrix 25 min. length 3



014803

Enable postal 25



01571

Disable postal 25 (default)



01570

Postal 25 ID as r



0158r

Postal 25 min. length 5



015905

Postal 25 min. length 7



Enable aerial 25



Disable aerial 25 (default)



Aerial 25 ID as p



Aerial 25 min. length 7



All EAN change to ISSN



Disable EAN change to ISSN  
(default)



All EAN change to ISBN



Disable EAN change to ISBN  
(default)



Enable digital keyboard mode



Disable digital keyboard mode



02580

Enable GS1 Omni-directional



01671

Disable GS1 Omni-directional  
(default)



01670

GS1 Omni ID as j



0168j

Enable GS1 Limited



01771

Disable GS1 Limited (default)



01770

GS1 Limited ID as k



0178k

Note: The setting code type is code128. When generating a barcode, you must add ^3 before the barcode, ie ^3+\*\*\*\*\* (required barcode):

The ASCII codes in this table are all decimal. For the hexadecimal, please refer to the attached table 2.

➤ **Prefix / suffix code setting instructions**

1. The pre/suffix code is divided into a common pre/suffix code and a private pre/suffix code. The common pre/suffix code means that the pre/suffix code is added before a barcode; the private pre/suffix code refers to a certain type of barcode, such as code 128 codes and code 39, a specific barcode to which the pre/suffix is added. You can add up to 32 characters.
2. Common pre/suffix code:  
There are two ways to add the pre/suffix code:  
[1]. Scan a barcode additive, and the setting code is 0223X (prefix code) and 0221X (suffix code), where 0223 and 0221 stands for one common pre/suffix code, where the value of X represents the added character and this X is a binary. For example, to add a common pre/suffix code A, the setting code is 0221A, which means that the suffix code A is added to all barcodes. Input the following data in the software.  
  
The setting code is 0223A, which means that all barcodes are added with the first code A. Input the following data in the software.  
  
For example, a common suffix code is added and the setting code is 0221r. Input the following data in the software.  
  
[2]. In the second way, the prefix and suffix codes are added. Setting codes are scanned and set through ASCII code. The setting codes are 021100nn (suffix code) and 021600nn (prefix code). This ASCII setting is hexadecimal. Refer to ASCII Table 2 for specific parameters.

For example, if the common suffix code A is needed, the setting code is 02110041 according to the hexadecimal system; if the common prefix code A is needed, the setting code is 02160041 according to the hexadecimal system.

In addition, is needed to add a character after the barcode and then add Enter. If it is needed to add the character "+" after the bar code and then add Enter, the setting code is "0213@+r", the suffix code is "0212@non-accumulative, 0213@accumulative 2 times, and 0211@accumulative 3 times.

### 3. Adding an exclusive suffix code

A certain type of barcode needs to be added with an exclusive suffix code. For example, the Code 128 codes needs to be followed by the letter A; there are two ways to achieve:

1. 0211 0141

*See Table 1 below for explanation.*

*See ASCII code table 2.*

2. 0212 A A

If you want to accumulate, use 0213A and 0211A.

Please refer to Table 1 for other types of barcodes.

Likewise, if a certain type of barcode needs to be added with a prefix code, all Code 128 codes are needed before the letter A; there are two ways to achieve:

1. 0216 0141

*See Table 1 below for explanation.*

*See ASCII code table 2.*

2. 0217 A A

If you want to accumulate, use 0218A.

➤ **Sleep time setting / button timeout setting**

1. Sleep time setting code: 0310nn

If XS sleep is required and it is calculated in hexadecimal (4 for base), then the formula:  
 $x/4=NNN$

For example, if it takes 60 seconds to automatically shut down, the setting code is 0310015.

If it takes 5 minutes to automatically shut down, the setting code is 0310015.

Sleep time limit: 42 minutes and 47 seconds

2. Button timeout setting code: 0235nn

If the button timeout is 4S, the setting code is 023540.

3. Introduction to the character hiding

The hidden suffix character setting code is 0233nn. To hide the suffix 5 characters, the setting code is 023305.

The hidden prefix setting code is 0234nn. If 023405 is to hide the prefix 5 characters, just change the value of nn to change the number of hidden characters.

Two setting codes that hide the middle character must be used at the same time, which are 0239nn (to hidden nn characters in the middle) / 0240nn (to begin hiding after the first nn characters).

》 For example, if the barcode is 123456789 and it is required to hide character 456, then the setting codes are 023903 (to hidden 3 middle characters) and 024003 (to begin hiding after the third character), and they can be used together to achieve the function and obtain 123789.

<b>Code table 1 for barcode types</b>
---

@	(00)	All
A	(01)	code128
C	(03)	EAN8
D	(04)	EAN13
E	(05)	UPCA
F	(06)	UPCE
I	(09)	CODE93
J	(0A)	GS1 OMNI
K	(0B)	GS1 LIM1
M	(0D)	CODE39
N	(0E)	Interleaved 2 of 5
O	(0F)	Industrial 2 of 5
P	(10)	Aerial25
Q	(11)	Matrix 25
R	(12)	Postal 25
S	(13)	MSI
T	(14)	PLESSEY
U	(15)	CODE11
V	(16)	CODABAR

Lookup table for specific keys and code values (ASCII code values available for standard characters):

F1 = 0x80; F2 = 0x81; F3 = 0x82;  
F4 = 0x83; F5 = 0x84; F6 = 0x85;  
F7 = 0x86; F8 = 0x87; F9 = 0x88;  
F10 = 0x89; F11 = 0x8A; F12 = 0x8B;

Insert = 0x8C; Home = 0x8D;  
Page up = 0x8E; Page down = 0x91;  
Delete = 0x8F; End = 0x90;  
Right = 0x92; Left = 0x93;  
Down = 0x94; Up = 0x95;

If CODE93 is added with the STX prefix code, according to the STX ASCII value that is 0x02, then the content of the setting code that should be printed is as shown below.

Tip 1:

ASCII = [F3]‘0’‘2’‘1’‘6’‘I’ [STX]

Binary = [F3] + 0x30 + 0x32 + 0x31 + 0x37 +  
0x49 + 0x02

Setting barcode -->





**Tip 2:**

ASCII = [F3] + '0' + '2' + '1' + '6' + '0' + '9'  
+ '0' + '2'

And if CODE93 is added with Home prefix code:

ASCII = [F3] + '0' + '2' + '1' + '6' + '0' + '9'  
+ '8' + 'D'

(Note: Code93 corresponds to 09 <value of each code that is given in the note on the previous page>, home key value is 0x8D)

**ASCII Table 2**

Decimal	Hexadecimal	Character
0	0	Null
1	1	Header start
2	2	Text start
3	3	Text end
4	4	Transmission end
5	5	Query
6	6	Confirmation
7	7	Ring
8	8	backspace
9	9	Level positioning character
10	0A	Line feed / new line
11	0B	Vertical positioning character
12	0C	Form feed / new page
13	0D	Enter
14	0E	Shift-out
15	0F	Shift-in
32	20	space
33	21	!
34	22	"

Decimal	Hexadecimal	Character
35	23	#
36	24	\$
37	25	%
38	26	&
39	27	'
40	28	(
41	29	)
42	2A	*
43	2B	+
44	2C	,
45	2D	-
46	2E	.
47	2F	/
48	30	0
49	31	1
50	32	2
51	33	3
52	34	4
53	35	5
54	36	6
55	37	7
56	38	8
57	39	9
58	3A	:
59	3B	;
60	3C	<
61	3D	=
62	3E	>
63	3F	?

Decimal	Hexadecimal	Character
64	40	@
65	41	A
66	42	B
67	43	C
68	44	D
69	45	E
70	46	F
71	47	G
72	48	H
73	49	I
74	4A	J
75	4B	K
76	4C	L
77	4D	M
78	4E	N
79	4F	O
Decimal	Hexadecimal	Character
16	10	Data link translation
17	11	Device control 1
18	12	Device control 2
19	13	Device control 3
20	14	Device control 4
21	15	Reverse confirmation
22	16	Synchronous idle
23	17	Transmission block end
24	18	Cancel
25	19	Media end
26	1A	Interchange
27	1B	Translation

Decimal	Hexadecimal	Character
28	1C	File separator
29	1D	Group separator
30	1E	Record separator
31	1F	Unit separator
80	50	P
81	51	Q
82	52	R
83	53	S
84	54	T
85	55	U
86	56	V
87	57	w
88	58	X
89	59	Y
90	5A	Z
91	5B	[
92	5C	\
93	5D	]
94	5E	^
95	5F	_
96	60	`
97	61	a
98	62	b
99	63	c
100	64	d
101	65	e
102	66	f
103	67	g
104	68	h

Decimal	Hexadecimal	Character
105	69	i
106	6A	j
107	6B	k
108	6C	l
109	6D	m
110	6E	n
111	6F	o
112	70	p
113	71	q
114	72	r
115	73	s
116	74	t
117	75	u
118	76	v
119	77	w
120	78	x
121	79	y
122	7A	z
123	7B	{
124	7C	
125	7D	}
126	7E	~
127	7F	DEL

# Specifications

## Standard Feature

Symbologies	UPC-A, UPC-E, EAN-13, EAN-8, Codabar, Code 39 Full ASCII, China Post, Plessey, MSI, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, Code 11, ISBN, ISSN, Code32 (Italian Pharmcode), Code39 extended, GS1-128 and ITF-14, SISAS, GS1 Omnidirectional, GS1 Limited, Aviation25, RSS14
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Depth of Field	25~100mm (Code39, 4mil, PCS90%) 15~330mm (EAN, 13mil, PCS90%)
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## Characteristics

Dimensions	102mm x 71mm x 177mm
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Weight	190g
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Power	DC5V±1%
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Trigger Switch	>1,000,000 cycles
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Light Source	RED LED 620nm~630nm
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Image Sensor	2500 point pixel CCD image sensors
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Interface	USB-HID, USB-Virtual COM
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Indication	LED, Beeper
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## Performance

Resolution	3mil (0.0762mm)
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Print Contrast	Min. 20%
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Scan Rate	≥270 time/s
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Scan Angle	Yaw±55°, Rotation±30°, Pitch±65°
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## Environment

Light Strength	70,000 Lux
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Temperature	Operating temp.: -20°C to 50°C Storage temp.: -40°C to 70°C
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Humidity	5% to 95% (Non-condensing)
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Drop	Withstands multiple times 1.5meters drops to concrete
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Sealing	IP42
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## Regulatory

Regulatory Approvals	CE, FCC, BSMI
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\*Argox reserves the right to enhance and modify the specifications without prior notice. Please check them from Argox sales representative for most updated specifications.