

By using 8-bit system, one ID reader can solve all the problems like as below!



ID tag															
Type code		Z1-AA	04-02K	Z1-EA0	02-128	Z1-FA	01-128	Z1-FB	01-128	Z1-ECC	2-128		Z1-BC	11-128	
Features		D-2N Con installati	ipatible on on ID tag	Ceramio	c ID tag	Flexibl	e ID tag	Flexible	e ID tag	Ceramic	: ID tag	Lo	ong dist	ance ID t	tag
		Bar 21-A	H-DZ B-DZ B-RZ	C)		nue	A CONTRACTOR		S			2	ALPLUS 3011-126 1405J	J.
Size		30,30),6mm	ф 9.5 x	2.7 mm	ф 9.5 x	0.9 mm	ф 28 x	0.8 mm	¢ 26 x 3 (hole	3.4 mm ¢6)		φ50>	(8.3 mm	
Mounting on st	eel	Y	es	Ye	es	1	No	1	lo	Ye	es	İ	Ì	/es	
Material		PI	BT	Zirconia	ceramic	Glass fi	ber cloth	Glass re	sin cloth	Almina (ceramic	ĺ	F	·A6	
IC chip		MB 89 R	118					I-CO	DE SLI, I	-CODE SLI	Х				
Available memo	ry capacity	2K byte	e/FRAM					1.	l 2byte (E	EPROM)					
Operating temp	erature	-25:	+70℃	İ			-20:	+80℃					-20	.+85℃	
Storage temper	ature	-40	+85℃	Ì					-25+12	20°C 1)					
protective construction		IP67		IP60 2) IP67			IP	67 IP67		67	IP67				
Mounting		M3screw ³) (Tightening torque 0.5Nm)		with double-stick wi tape on the back ta		with dou tape on	uble-stick the back	-stick with double-stick back tape on the back		M5 screw3) with double-stick tape on the back		M4 Screw ³⁾			
Read/Write cyc retention time	cles , Data	Read/Wr 1: Unlimite Data re time : 10	ite cycles ed, etention years		Rea	ad cycles	: Unlimited	d , Write d	cycles : 10)0,000 , D	ata reten	tion time	: 10 ye	ars	
Standard						Com	oly with IS	015693(Frequency	y 13.56MH	Hz)				
Mouting		Metal mount- ing	Non metal mount- ing	Metal mount- ing	Non metal mount- ing	Metal mount- ing	Non metal mounting	Metal mount- ing	Non metal mount- ing	Metal mounting	Non metal mount- ing	Metal m Length- ways	ounting Width- ways	Non- mou Length- ways	-metal unting Width- ways
Read distance(mm)	0~12	0~16	$0 \sim 5.5$	0~7	-	0~18	-	0~30	0~12	0~12	0~	12	0 ~	~ 22
Center offset	Destance Omm	±7	±9	±4	±4	-	±7	-	±14	±8	±8	±17	±9	±19	±11
(mm)	4mm	±8	±10	±2	±З	-	±7	-	±14	±8	±8	±15	±8	±19	±12
	8mm	±8	±10	-	-	-	±8	-	±14	±5	±5	±10	±6	±18	±12
	10mm	1 ±5	±9	-	-	-	±7	-	±14	±2	±2	±6	±4	±17	±12
	12mm	± 0	±9	-	-	-	±7	-	±14	±0	±0	±0	±Ο	±16	±12
	14mm	1 -	±6	-	-	-	±4	-	±14	-	-	-	-	±15	±11
	16mm	1 -	±0	-	-	-	±4	-	±14	-	-	-	-	±13	±9
	20mm	1 -	-	-	-	-	-	-	± 13	-	-	-	-	±6	±4
	22mm	-	-	-	-	-	-	-	± 13	-	-	-	-	L ±0	±υ
	30mm	-	-	-	-	-	-	-	±12	-	-	-	-	-	-

* Regarding Z1 - FB01 - 128, distance varies depending on shape, M30 or compact. The above data is of the M30 shape data.

For details, refer to the user's guide. 1) Please contact us if the storage temperature would be over 120°C.

2) Please contact us if you intend to use in a location that requires Z1-EA02-128 water proof.

3) M3 M4 and M5 metal screws are not available. Please prepare in your side.

4) Z1-B011-128 has different offset depending on the moving direction of ID tag. When it's installed as described below, up and down movement means vertical direction, left and right movement means lateral direction.

5) Communication distance and axial deviation values are all reference values.

[Other notes]

• The order unit of ID tag is 5 pieces

. When bending the ID tag please avoid internal IC chip When bending, the communication distance becomes short.

Mounting

To avoid the surrounding metal and mutual interference when you install ID Reader, please keep area greater than or equal to value shown in below table. Also, if the non-metallic area depends on the combination of ID tag and Read/write head and ID tag, please keep non-metallic area of the greater value.

	Non-me	etallic area		Mutual interference
Fig.	1)	mm)	Fig.	(mm)
	А	С		D
1	30	0(20)	2	60
1	56	20	2	90
1	70	20	2	110
1	60	0(20)	2	70
1	70	0(20)	2	100
1	70	0(20)	2	70
	Fig. 1 1 1 1 1 1 1 1	Fig. Non-me Fig. (1 A 1 30 1 56 1 70 1 60 1 70 1 70 1 70	Non-metallic area Fig. Non-metallic area 1 A C 1 30 O(20) 1 56 20 1 70 20 1 60 O(20) 1 70 0(20) 1 70 0(20) 1 70 0(20) 1 70 0(20)	Non-metallic area Fig. (mm) Fig. A C 2 1 30 0(20) 2 1 56 20 2 1 70 20 2 1 60 0(20) 2 1 70 20 2 1 70 0(20) 2 1 70 0(20) 2 1 70 0(20) 2

"Metal mounting" means directly mounted on the metal. but it refers to the absence of metal around except rear of the ID tag.

Value in () shows the required space to keep the communication distance as same as no-metal mounting. Non-metallic area A of ID Reader and ID tag of button type should be concentric.







ID Reader <M30 / Compact shape>



I ype code	Cable type	e NPN	25-AAUTN
		PNP	Z5-AA01P
Supply voltage	e / Current	consumption	24V DC +10% -20% (including ripple) / max.60mA
Output signal			Parallel(8bit+Data valid)
Frequency			13.56MHz (Comply with ISO 15693)
Operating tem	perature		0+50℃
Storage temp	erature		-25+80°C
protective cor	nstruction		IP67
Cable specific	ation	Material	PUR
	-	Cable length	2m, 5m,10m(Standard cable length=2m/Max.25m*)

Compact shape

M30



*When the cable length exceeds 10 m, it is outside of the CE compliant range. Please separately apply surge measures



Bending radius: ≥ 50mm

J Z5-AA01N	
P Z5-AA01F	L
tion 24V DC +	10% -20% (including ripple) / max.70mA
Parallel(8b	it+Data valid)
13.56MHz	(Comply with ISO 15693)
0+50℃	
0+70℃	
IP67	
PUR	
th 2m,5m,10	m(Standard cable length=2m/Max.25m*)
	Z5-AA01N Z5-AA01P tion 24V DC + Parallel(8b 13.56MHz 0+50°C 0+70°C IP67 PUR the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of the second point of

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Mounting

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Mounting bracket (an optional extra

B-PLUS-BLOP-01







ID Reader/Writer writes to the ID tag by USB or RS-232C connecting to the PC.

Type code	Z6-01-R	Z6-01-U			
Connection type	RS-232C type	USB type			
Supply voltage	Power supply from AC adapter	5V DC (USB BUS-power)			
Size	120mm x 72mm x 20mm 、cable length 1m				
PC support version	Windows XP / Vista / 7 / 8 / 10				
Software for writing	Using the bundled application software				
Operating temperature	0+50℃				
Storage temperature	-10+70°C				
ncluded	AC adaptor	CD-ROM			

Write System



It is easy to write data by using the bundled application software.

- ① Connect the PC and Reader / Writer via USB or RS232C.
- 2 Place the Data carrier on the Reader / Writer.
- 3 Just click on the data from the PC.
- $\ensuremath{\mathbbmm}$ Data writing to ID tag service is available, please contact us.

CE approval on Z6-01-R only.

bit R/W	' software	₿ &PLUS			
	Number of bit	5bit	8bit	10bit	
	•	MODE	DA	TA	
COM PORT Baud Parity bit	COM5 38400 no	bit	Bit No.	5 4 3 2 1	
Data bit Stop bit	8	decimal	26		
		HEX	1A		
READ	WRITE	START i	ncrement	Data clear	

Read system



ID Reader starts reading automatically at the same time the ID tag enters in to the reading area. It outputs the 8-bit data directly in parallel.

<u>В&PLUS к.к.</u>

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* Contents is subject to change without notice.