New arrival of a10 bits system! RFID that is Simple & reduces cost!
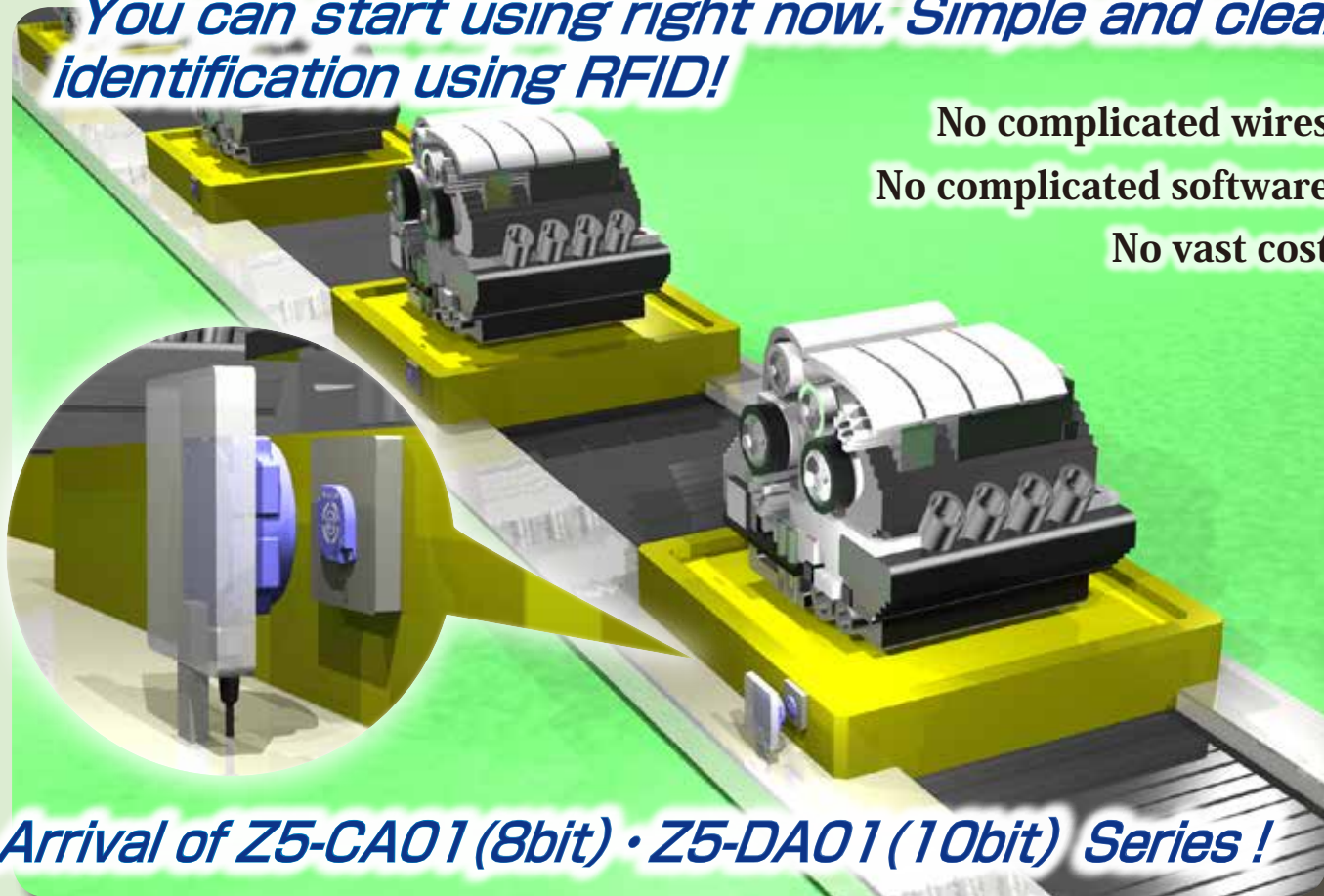
You can start using right now. Simple and clear identification using RFID!

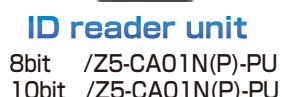**No complicated wires.**
No complicated software.
No vast cost.
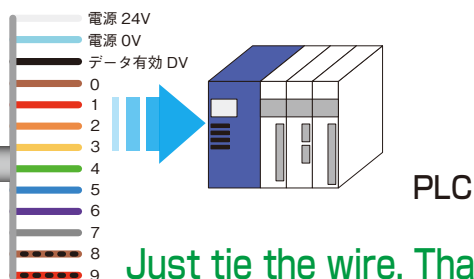
Arrival of Z5-CA01(8bit)・Z5-DA01(10bit) Series !

Configuration

Setting not required! Justbring it close!

Parallel output of 8 bit signals.

Automatically reads the data!

| 電源 24V |
| 電源 0V |
| データ有効 DV |
| 0 |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |

PLC

Data carrier

Read/Write head
Z3-A010-CN

ID reader unit
8bit /Z5-CA01N(P)-PU
10bit /Z5-CA01N(P)-PU
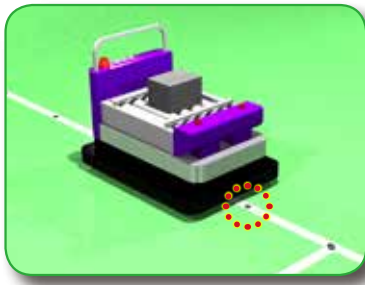
### Just tie the wire, That's it!

Easy programming! Not only identification management of the palette but possible in many other ways!

■ What about wiring....? Parallel wiring

■ Controller....? **Unnecessary.** Only the parallel board!
■ Software....? Unnecessary Standard attachment ID reader/writer Z6 series)
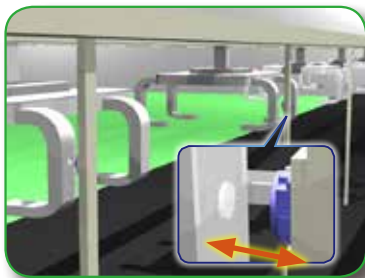
Number confirmation of the AGV

Because a communication range can detect even a long distance widely, detail positioning is unnecessary. Strong resistant to vibration.
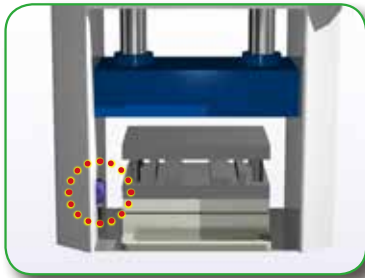
Identification management of the press die

Addition to 8 bit, the arrival of 10 bit! Up to 1,024 kinds of identification is possible!

The ways to identify and manage the hanger

LED indication is added!
Information of the communication error, disconnection, data existence effect, and short circuit protection can distinguish it by the the flashing light and the time!

Fast

Reading speed is 55m/min! ※

Simple!

Because it is parallel wiring, unnecessary for time to make exclusive software.
Possible to reduce the construction time as well!
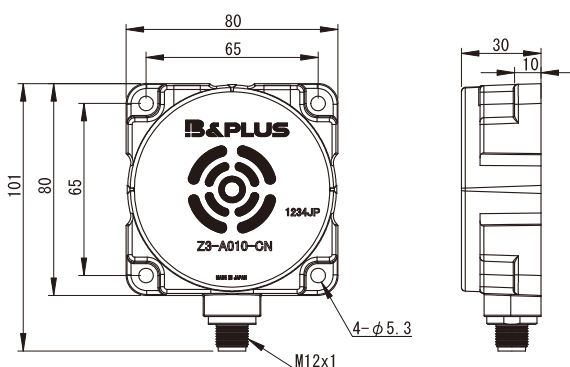
Long distance

Readable distance of approximately 1.5 times more than our conventional products.
Able to use the commercial tag which is readable for 10cm.
Please contact us regarding any recommended products.

※ ISO15693CARD tag（Available）

ID antenna

■ ID Antenna

Type code	Z3-A010-CN
Mounting on steel	Yes
Operating temperature	0...+50℃
Storage temperature	-10...+70℃
protective construction	IP67
Complied standard	Comply with ISO 15693 standard I-CODE SLI, I-CODE SLIX, Corresponds to MB89R118

アンテナ側
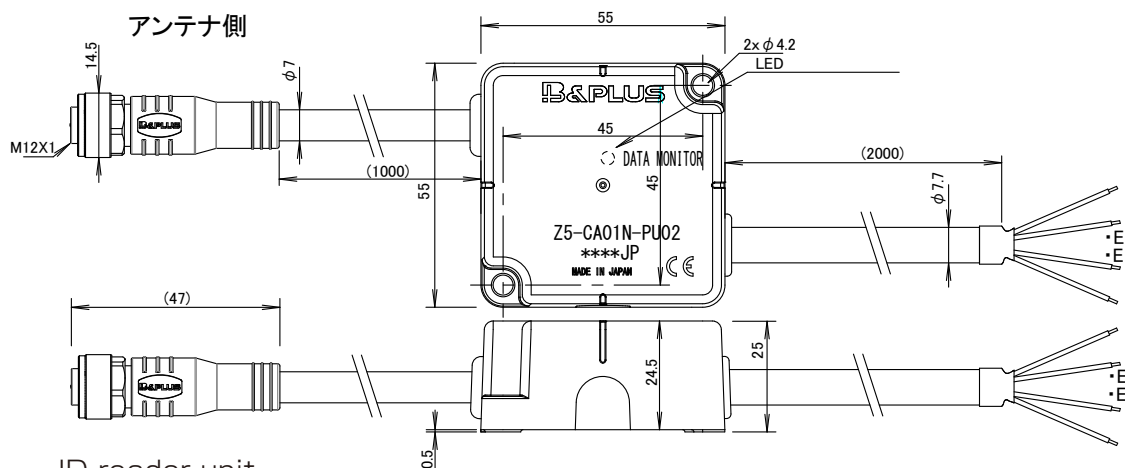
PLC

白：電源 24V
空：電源 0V
黒：データ有効 DV
茶：読み取りデータ D0
赤：読み取りデータ D1
橙：読み取りデータ D2
黄：読み取りデータ D3
緑：読み取りデータ D4
青：読み取りデータ D5
紫：読み取りデータ D6
灰：読み取りデータ D7
茶/ドット：読み取りデータ D8 ＊
赤/ドット：読み取りデータ D9 ＊

＊ 10bit only

ID reader unit

Type 8bit code	Z5-CA01N(P)-PU02	
10bit	Z5-DA01N(P)-PU02	
Output signal	Parallel(8 (10)bit+Data varid)	
protective construction	IP67	
Output specification	NPN / PNP	
Supply voltage / Consumption current	DC24V ± 10% ／ 200mA ※ Total value with the antenna	
Correspondence ID antenna	Z3-A010-CN	

Reader/Writer

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	
Applicable PC	Windows XP / Vista / 7	
Software for writing	Using the bundled application software	
Operating temperature	0...+50℃	
Storage temperature	-10...+70℃	
included	CD-ROM , AC adapter	CD-ROM

CE approval on Z6-01-R only.

Corresponding RFID chip

Supports the communication protocol of the ID chip which indicates in the right chart.
Please check the communications distance, quality and processing time at the time of use anything other than an ID tag (the Z1 series).

Type of the ID tag	Chip	Maker	Capacity
02H	MB89R118	Fujitsu	2000byte
03H	I-CODE SLI,SLIX	NXP	112byte
04H	Tag-it HF-I plus	TI	256byte
05H	my-d(SRF55V02P)	Infineon	224byte
07H	my-d(SRF55V10P)	Infineon	992byte
22H	Tag-it HF-I standard	TI	32byte
21H	Tag-it HF-I pro	TI	32byte

I-CODE SLI, SLIX is NXP semiconductors、FRAM is Cypress Semiconductor、Tag-it is Texas Instruments Incorporated、my-d is Infineon Technologies registered trade-mark of AG.

ID tag

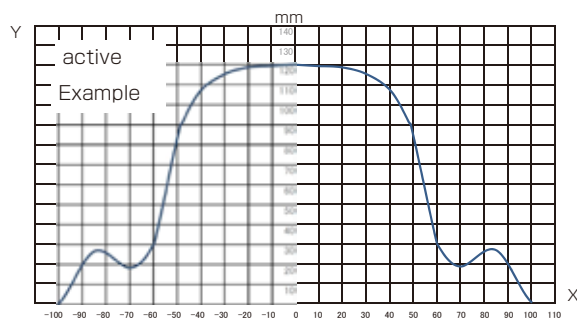| Type code	Z1-AA04-02K	Z1-FA01-128	Z1-FB01-128	Z1-EC02-128	Z1-B011-128
Features	D-2N Compatible on installation	Flexible Data carrier	Flexible Data carrier	Ceramic Data carrier	Long distance Data carrier
Size	ϕ 30 x 6 mm	ϕ 9.5 x 0.9 mm	ϕ 28 x 0.8 mm	ϕ 26 x 3.4 mm (hole ϕ 6)	ϕ 50 x 8.3 mm
Material	PBT	Glass fiber cloth	Glass resin cloth	Almina ceramic	PA6
Available memory capacity	2K byte/FRAM	112 byte/EEPROM			
Operating temperature	-25...+70℃	-20...+80℃			-20...+85℃
Storage temperature	-40...+85℃	-25...+120℃ [1]			
protective construction	IP67 (IEC regulation)				
Mounting	M3 screw[2] (Tightening torque 0.5Nm)	with double-stick tape on the back	with double-stick tape on the back	M5 screw[2] (Tightening torque 1Nm) Or with double-stick tape on the back	M4 Screw[2] (Tightening torque 0.7Nm)
Read/Write cycles , Data retention time	R/W cycles , No limit R/W cycles , No limit Data retention time: 10 years	Read/Write cycles , No limit Read/Write cycles , 100,000 times Data retention time: 10 years			
Standard	ISO15693(Frequency 13.56MHz)				
Read distance (When non-metal)	0...34mm	0...42mm	0...60mm	0...34mm	0...54mm

1) Please contact us if the storage temperature would be over 120℃ .

2) M3 M4 and M5 metal screws are not available. Please prepare in your side.
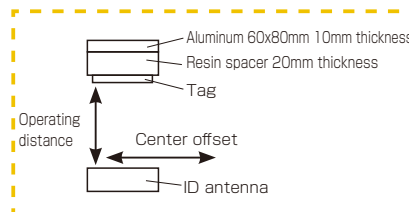
■ ISO15693CARD tag

size 85.6mm x 54mm x 0.76mm
Based on ISO7810

※ Data writing to ID tag service is available,
For more details please contact our sales.

active

Example

X:Center offset (mm)
Y: Transmission distance (mm)

Measurement condition

Aluminum 60x80mm 10mm thickness
Resin spacer 20mm thickness
Tag
Operating distance
Center offset
ID antenna

Wireless Power Supply by
B & PLUS K.K.

Mail : b-plus-usa@b-plus-kk.com
Web : http://www.b-plus-kk.com

* Infor may change the mention contents such as specifications without a notice.
  Thank you for understanding

BN1503Ce   2016.01

Sales shop