AutoID Keyboard Wedge for Windows

User's Manual

Read this user's manual carefully prior to operating this product.
After reading, keep this manual in a safe place so that you can refer to it at any time.

■ Symbols

The following symbols alert you to important messages. Be sure to read these messages carefully.

Important **Provides precautions about operations that must be performed.**

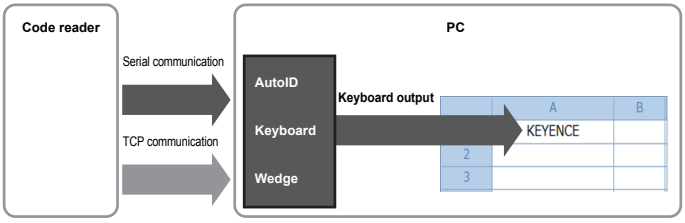
Point **Provides precautions on operations that can be easily mistaken.**

Reference Provides useful information or information that aids understanding of text descriptions.

Provides reference items and pages.

1 Overview

The AutoID Keyboard Wedge is software that converts data read by a code reader to keyboard output.



Hardware requirements

OS	Windows 8 Professional or later (32bit/64bit) (excluding Windows RT)
	Windows 7 professional or later (32-bit/64-bit)
	Windows Vista Business/Ultimate SP2 or later (32-bit)

* Log in as a user that has administrator privileges.
* Use Microsoft IME or Microsoft Office IME for input.

Supported communication

- Serial communication: Communication via RS-232C or virtual COM (USB-COM). Communicates by specifying the number of COM connected to the code reader.
- TCP communication: Communication via Ethernet TCP. Communicates by specifying the wait port number with the code reader set to client and with PC set to server.

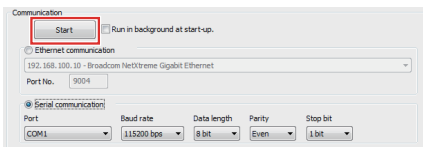
2 Start/Exit

Start-up

1 Start up the AutoID Keyboard Wedge.

The icon is registered on the task tray.

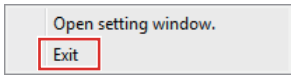
2 Click the [Start] button after setup.



Exit

1 Right-click on the task tray.

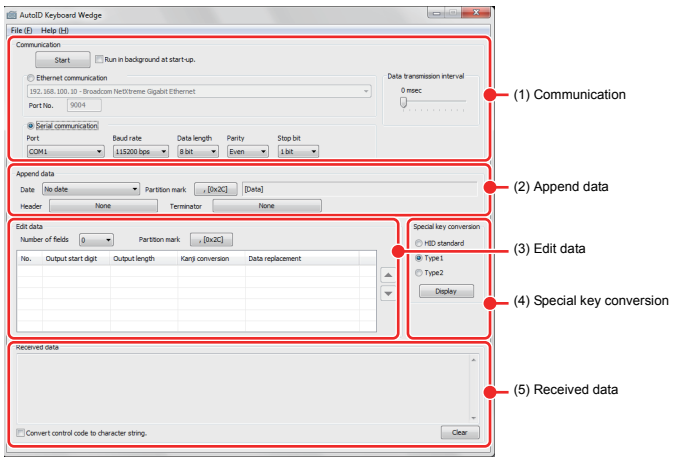
2 Select [Exit].



* Clicking of the AutoID Keyboard Wedge will minimize the AutoID Keyboard Wedge.
To exit, be sure to perform exit operation from the task tray.

3 Items

This section describes the items that can be set on the AutoID Keyboard Wedge.



(1) Communication

[Start] button	The AutoID Keyboard Wedge starts operation with the set contents. To launch the AutoID Keyboard Wedge at the start-up of PC, check "Run in background at start-up", and register the shortcut of AutoID Keyboard Wedge with the Startup.
Ethernet communication	Check here when performing keyboard conversion of socket communication data via Ethernet. (Port No: 1024 to 65535)
Serial communication	Check here when performing keyboard conversion of serial communication data via RS-232C, etc.
Data transmission interval	Set the time interval when inputting characters one by one. (0 ms to 100 ms) If keyboard conversion data is dropped, the problem may be solved by increasing this value.

(2) Append data

Date	Append date and time information.
Partition mark	Append partition mark. (0 to 1 character)
Header	Append characters at the beginning of data. (0 to 5 characters)
Terminator	Append characters at the end of data. (0 to 5 characters)

Data format

Header	Date	Partition mark	Read data	Terminator

(3) Edit data

Data can be output by dividing it into multiple blocks.
This function can be used when the number of fields is set to 1 or more.

Number of fields	Specify how many pieces the data is divided to. (0 to 16)
Partition mark	Specify the partition mark of the block to output. (Default: "," (0x2D))

Edit data setting

No.	Specify the order of output for divided data. (1 to 16)
Output start digit	Specify start digit for data extraction. (1 to 999 digits)*1
Output length	Specify the number of digits by byte to output from the output start digit. (1 to 999 digits)*1
Kanji conversion	If data includes Japanese such as Hiragana or Kanji, set this to "ON" to output data by Japanese conversion.
Data replacement	This converts characters included in the data to other character strings to output. Maximum number of characters that can be specified as conversion target characters is 5.

*1 "Output start digit" + "Output length" = 1000 (upper limit).

(4) Special key conversion

This converts control characters to keys on the keyboard to output.
If control characters are included in read data, header or terminator, use this function to output data by key conversion for control characters.
"Correspondence table for control character and special key conversion" (Page 2)

(5) Received data

When data is input to the applicable port with the AutoID Keyboard Wedge communication set to [Start], the received data is displayed here. Use this to check if the data is correctly received.

Convert control code to character string.	If control characters are included in the received data, the character strings are converted and displayed here.
[Clear] button	This clears the data displayed here.

Appendix

Correspondence table for control character and special key conversion

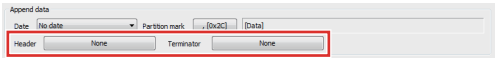
Select the type for "Special key conversion" and specify which key is each control character replaced with

HEX	Control character	HID standard	Type1	Type2
00	NUL	ctrl+@		
01	SOH	ctrl+A		[Enter]
02	STX	ctrl+B		[Caps Lock]
03	ETX	ctrl+C		[Alt] make
04	EOT	ctrl+D		[Alt] break
05	ENQ	ctrl+E		[Ctrl] make
06	ACK	ctrl+F		[Ctrl] break
07	BEL	ctrl+G		[Enter]
08	BS	ctrl+H	[BS]	
09	HT	ctrl+I	[Tab]	[Tab]
0A	LF	ctrl+J		
0B	VT	ctrl+K		[Tab]
0C	FF	ctrl+L		[Delete]
0D	CR	ctrl+M	[Enter]	[Enter]
0E	SO	ctrl+N		[Insert]
0F	SI	ctrl+O		[Esc]
10	DLE	ctrl+P		[F11]
11	DC1	ctrl+Q	[UP]	[Home]
12	DC2	ctrl+R	[DOWN]	[Print Screen]
13	DC3	ctrl+S	[LEFT]	[BS]
14	DC4	ctrl+T	[RIGHT]	[Back Tab]
15	NAK	ctrl+U		[F12]
16	SYN	ctrl+V	[Home]	[F1]
17	ETB	ctrl+W		[F2]
18	CAN	ctrl+X		[F3]
19	EM	ctrl+Y		[F4]
1A	SUB	ctrl+X		[F5]
1B	ESC	ctrl+[	[Escape]	[F6]
1C	FS	ctrl+¥		[F7]
1D	GS	ctrl+]		[F8]
1E	RS	ctrl+^		[F9]
1F	US	ctrl+=	[Ctrl](right)	[F10]
E1			[F1]	
E2			[F2]	
E3			[F3]	
E4			[F4]	
E5			[F5]	
E6			[F6]	
E7			[F7]	
E8			[F8]	
E9			[F9]	
EA			[F10]	
EB			[F11]	
EC			[F12]	

Setting example

Example 1) Setting arbitrary characters to header/terminator

Click "Append data" - "Header/Terminator".



Double-click to select the character to append from the character table.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	NUL	SOH	STX	ETX	EOT	ENQ	ACK	BEL	BS	HT	LF	VT	FF	CR	SO	SI
1	DLE	DC1	DC2	DC3	DC4	NAK	SYN	ETB	CAN	EM	SUB	ESC	FS	GS	RS	US
2	SP	!	"	#	$	%	&	'	(	)	*	+	,	-	.	/
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5	P	Q	R	S	T	U	V	W	X	Y	Z	[	¥	]	^	_
6	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
7	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	DEL

Specified characters are input as below.

To append multiple characters, continue to select characters. (Up to 5 characters)

Example 2) Setting the [TAB] key to terminator

- Terminator : HT(0x09)
- Special key conversion : Type1

Example 3) Setting the [Right Ctrl] key as Terminator

- Terminator : US(0x1F)
- Special key conversion : Type1

* When the exit operation is performed for "2 Start/Exit", the AutoID Keyboard Wedge.ini file is created. The contents set with this software are saved with this file in the same folder.

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