Zenisu Keisoku

Zenisu Keisoku, Inc

The PC becomes an FA controller without interface function.

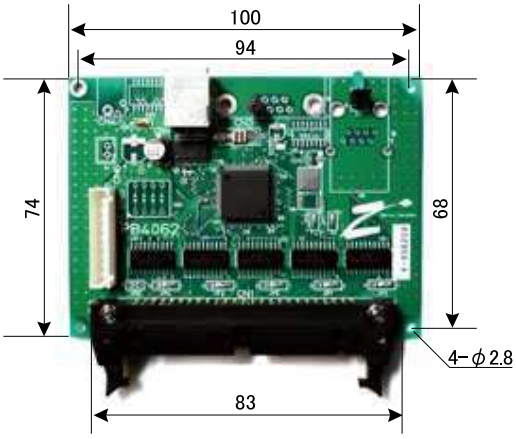
USB Adapter

ZS-6222P/S

Compliant with RoHS

ZS-6222P/S is easy to handle USB adapter that allows digital to communicate with USB interface. Digital signals such as BCD and Binary can be imported to the personal computer and it is possible to be ON/OFF controlled easily from the personal computer.

ZS-6222P



Printed circuit board type

100x74x20 (H) mm

70g

ZS-6222S

Back side view

Small case built-in type

110x80x30(H)mm

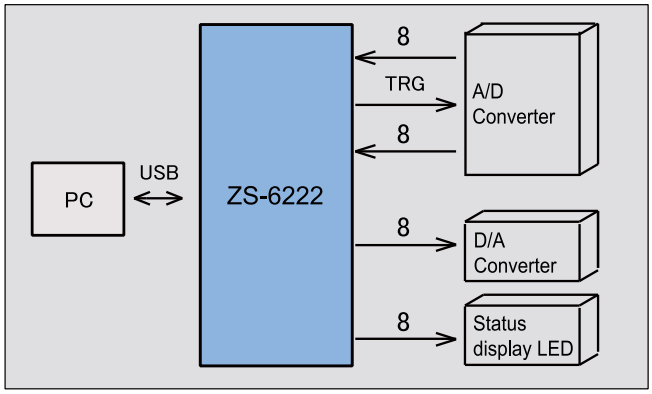
180g or less

Feature

- Compliant with USB 2.0
- Power supply +5V from USB.
- Digital I/O 32 bits.
  It can be selected I/O with byte unit.
- DIO interface (74AC245)has enough output drive.
- The operation mode is set by command.
- Small and easy to use.
- Value pricing.

Example for usage

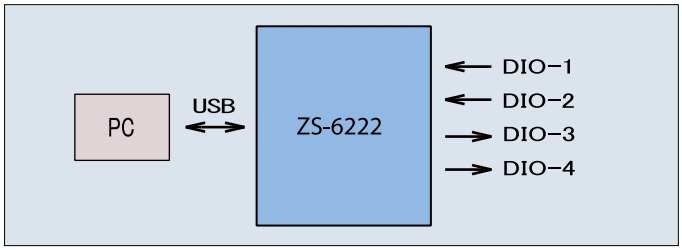
This is example for usage, 16-bit A/D converter input, 8-bit D/A converter output and 8-bit status display LED.



I/O functions

ZS-6222 is possible to be supported digital input/output signals up to 4 byte.
I/O selection is set with byte unit using software.

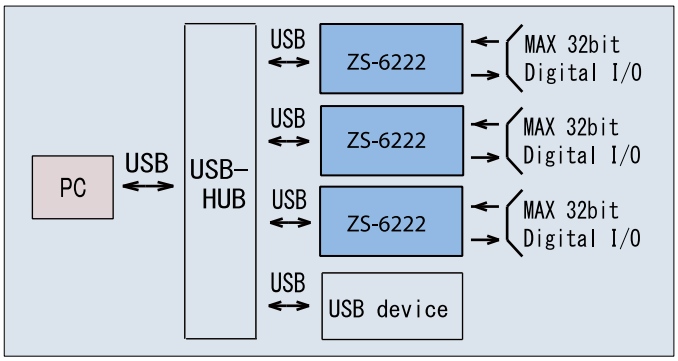
e.g) ZS-6222 is used for 2-byte input and 2-byte output.



Multiple connection is available

ZS-6222 can be controlled with one computer by switching COM port.

ZS-6222 controls with the virtual COM port.



Control signal

The control signals shown in the table below are prepared so that the USB adapter can synchronize with the connected device.

Name	Signal		Description
	Direction	Type	
STB	OUT	P	It outputs a pulse signal after outputting the data received from the USB to output port.
TRG	OUT	P	It outputs pulse signal by T command.
CLR	OUT	P	It outputs pulse signal by C command.
LAH	IN	P	Data input is latched with the negative pulse of this signal when the latch circuit is enabled. Minimum pulse width 500 µs.

Note) P of the output signal is available to be set pulse width with P command.

Command

ZS-222 considers the first byte sent from the PC as a command and processes with followed the character strings. The data is transferred in 2-digit units by HEX code, and CR+LF code is attached at the end of the data.

Command	Discription
W	Data output.
R	Data input. This command sends input byte data
T	Pulse output with TRG signal. Pulse width is set by P command.
C	Pulse output with CLR signal. Pulse width is set by P command.
D	I/O setting with byte unit. Output with "O" of OUT, input with "I" of IN is specified and 4 digit character string is output.
P	Set the pulse width of the control signal with one digit of 0 to 2. There are Three type of pulse widths 10 µs, 100 µs, 1 ms
L	Latch circuit is set to enable or disable when the data input. (1: Enable 0: Disable)

Specifications

Compliant with USB standard 2.0
Amount of data: 32bit (4byte)
I/O can be set in byte unit
I/Olevel : TTL signal
(Driver IC SN74AC245 or equivalent)
It can be selected Pull Up or Pull Down
Control input: LAH
Control output: STB, TRG, CLR
Connector: 50-core FC connector
(FAP-5001-1202-0BF or equivalent)
Power supply: DC5V 100mA or less
Accessory: Data connector (50-core FC connector)
OS: Windows2000/WindowsXP(SP2～)
WindowsVista(32/64bit)
Windows7(32/64bit
Windows8/8.1(32/64bit)
Windows10(32/64bit)
MacOSX / Linux

Option

USB CAble: KU20-1HK
A male - B male Gold planting connector 1m
USB2.0 standard certification

Please contact us as there are other length.

Specifications and appearance are subject to change without notice due to continual impovements.

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