![Zenisu Keisoku logo] **Zenisu Keisoku, Inc**

It is an easy-to-use LAN adapter based on the achievements of GP-IB and RS-232C adapter.
The PC becomes an FA controller without interface expansion.

LAN Adapter

ZS-6822P/S

Compliant with RoHS

It is samll size and easy-to-handle LAN adapter that allows digital signal to communicate with LAN interface.
Digital signal 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-6822P

100
94
74
68
83
4−φ2.8

Printed circuit board type.
It is useful for built-in.

100x74x20(H)
about 70g

ZS-6822S

Back side view

Small case built-in type

110x80x30(H)
about 180g or less

Features

- Supports Ethernet TCP / IP protocol
- Digital I/O 32 bits
  I/O is possible to select in byte units
- DIO interface uses 74AC245
- Operation mode setting is executed by command
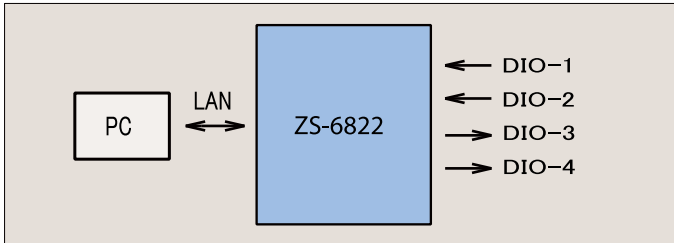- Small size
- Value pricing

Example for usage

This is an example for usage as below.
Input 16-bit A/D converter, output 8-bit D/A converter, and output 8-bit LED status display.
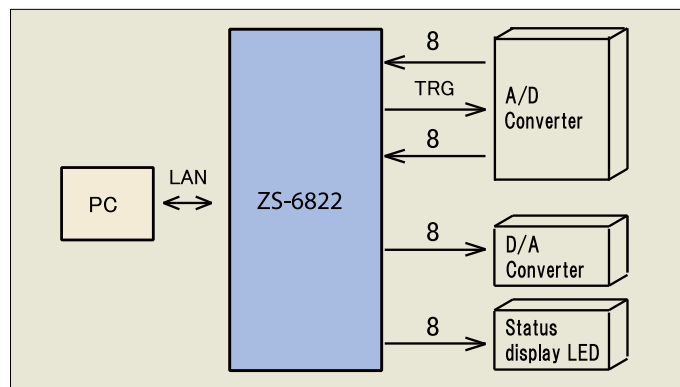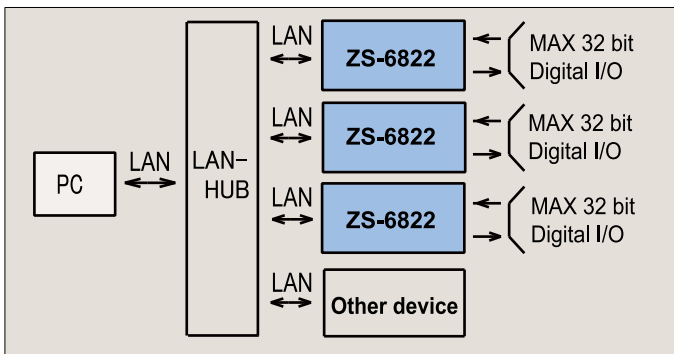
Both I/O can be selected

ZS-6822 supports digital I/O signals, up to 4bytes.
Select input and output by software setting in byte unit.

e.g) When ZS-6822 is used for 2 byte input and 2 byte
output as below.

Usage for multipul connection

It is possible to control multipul units with one personal
computer by setting each address to the ZS-6822.

Control signal

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

Signal name	Signal Direction	Type	Description
STB	OUT	P	It receives data from the LAN, outputs data to the output port, and then outputs a pulse signal.
TRG	OUT	P	The pulse signal is output by "T" command.
CLR	OUT	P	The pulse signal is output by "C" command.
LAH	IN	P	When the latch circuit is enabled, latch the data input with the negative pulse of this signal. Minimum pulse width 500μs.

Note) P of the OUT signal can select the pulse width with the "P" command.

Command

ZS-6822 considers the first 1byte sent from the PC as a
command and processes it with the following character
string. The data is HEX code and is transferred in
2-digit units. "CR+LF" code is attached at the end of the
data.

Command	description
W	Data output.
R	Data input.
T	Pulse output by TRG signal. Pulse width is set with "P" command.
C	Pulse output byCLR signal. Pulse width is set with "P" command.
D	Set I/O in byte units and output 4 digit character string. For I/O setting, designate output with "O" of OUT or specify input with "I" of IN.
P	Set the pulse width of the control signal with one digit of 0 to 2. There are three types of pulse width: 10μs, 100μs, 1ms.
L	Set validity and invalidity of latch circuit when data input. 1: valid, 0: invalid

Specifications

Ethernet: Compliant with IEEE802.3
      10/100Base-T Automatic switching
      Protocol TPC/IP, Telnet, ARP, ICMP, HTTP
Number of Data: 32 bit (4 byte)
      I/O can be set in byte units
I/O Level: TTL signal(equivalent IC SN74AC245)
      Pull Up or Pull Down can be selected
Control input: LAH
Control output: STB, TRG, CLR
Connector: 50-core FC connector FAP-5001-1202-0F
Power supply: DC5V 100mA or less
Accessory: Data connector (50-core FC connector)

Please download the User's manual from our website.
http://www.zenisu.co.jp

Option

AC adapter: GF12-US0520
      Small switching method that does not take
      space with table taps.
      Input AC 100 to 240V, Output DC 5V 2A

LAN cable: LKB5Y-01
      Straight connection type 1m
      Please contact us as there are other length.

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