AD4212A-08 Ethernet Interface

A&D Company, Limited

This Ethernet Interface can connect the AD4212A to the LAN port of a computer. When using the Ethernet Interface, the weight data of the weighing instrument can be managed through the network.

### Unpacking the AD4212A-08

- **MAC address**: Printed on the AD4212A-08 board
- **CD-ROM**: Windows communication software WinCT-Plus
- **IP address label (5 labels)**: Write the IP address on a label and use it for identification.
- **IP address protective cover (5 covers)**: Affix a protective cover over the IP address label.

### Installing the AD4212A-08

**Caution**: Remove the AC adapter from the AD4212A while doing the following work.

1. **Step 1**: Record the MAC address* (Hardware address) printed on the AD4212A-08 board. The MAC address is required when specifying the IP address.
   - Example: 00-20-4A-84-23-D6

2. **Step 2**: Remove the two screws that secure the I/O unit to the rear of the display unit and pull out the I/O unit board gently. Do not pull the cable excessively. (The I/O unit board can be pulled out only approx. 10 cm.)

3. **Step 3**: Push the hook aside and remove the connector from the I/O unit board.

4. **Step 4**: Insert the connector into the AD4212A-08 board.

5. **Step 5**: Be careful that the cable will not be crushed and insert the AD4212A-08 board.

### Connecting the AD4212A-08 to a Computer

**Caution**
- Contact the network manager before connecting the AD4212A-08 to a network. The AD4212A-08 could generate a network error. A&D and dealers assume no responsibility for errors.
- Preset the IP address and subnet mask to the AD4212A-08 one by one.
  - The IP address, 172.16.100.2, is set for all units at the factory. Do not duplicate an IP address. (Preset the IP address to matched MAC address if necessary.)
  - The IP address cannot be returned to factory setting automatically.
  - We recommend that you write the IP address on the supplied label.

1. **Step 1**: Connect the AD4212A-08 and the computer using a hub and straight cables. (When connecting directly without using hub, use a cross cable)

2. **Step 2**: Reconnect the AC adapter to the AD4212A.

3. **Step 3**: Input the IP addresses and a subnet mask of the AD4212A-08 and computer. Refer to the procedure [A&D WinCT-Plus] → [Manual.PDF] of the CD-ROM for the setting of devices. Communication errors may occur with the wrong procedure.

4. **Step 4**: Write the IP address on the "IP address label" and affix it where you can see the address easily.

5. **Step 5**: Install the data acquisition software "RsMulti" into the computer. Refer to [A&D WinCT-Plus] → [Manual.PDF] of the CD-ROM for this installation.

### The Outline for Windows Communication Software

Run the data acquisition software "RsMulti". Menu: [Start] → [Program] → [A&D WinCT-Plus] → RsMulti. Refer to the [A&D WinCT-Plus] → [Manual] for the operation.
- The software can acquire data from multiple devices connected with a LAN or RS-232C.
- The software can control these devices with commands.
- The software can acquire data transmitted from devices.
  - Example: When pressing the "PRINT" key of the balance, data is output and is acquired with the computer.
  - The stored data can be used with EXCEL. (Install the Microsoft EXCEL before use.)

### Example

<table>
<thead>
<tr>
<th>Two balances are connected.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer</strong></td>
</tr>
<tr>
<td>172.16.100.1</td>
</tr>
<tr>
<td>172.16.100.2</td>
</tr>
<tr>
<td>172.16.100.3</td>
</tr>
<tr>
<td><strong>AD4212A-100</strong></td>
</tr>
<tr>
<td>172.16.100.1</td>
</tr>
<tr>
<td><strong>AD4212A-1000</strong></td>
</tr>
<tr>
<td>172.16.100.1</td>
</tr>
</tbody>
</table>

### A sample window of the "RsMulti"

![A sample window of the "RsMulti"](image-url)