**Product:**
UNO-PCM21-AE

**Abstract:**
UNO-2100 series expansion kit for PC/104 cards

**Description:**
The UNO-PCM21 expansion kit helps to expand the number of ports on Advantech's
UNO-2100 product line. It is a chassis which encases any PC/104 cards which are
added to the base unit.

**Solution:**
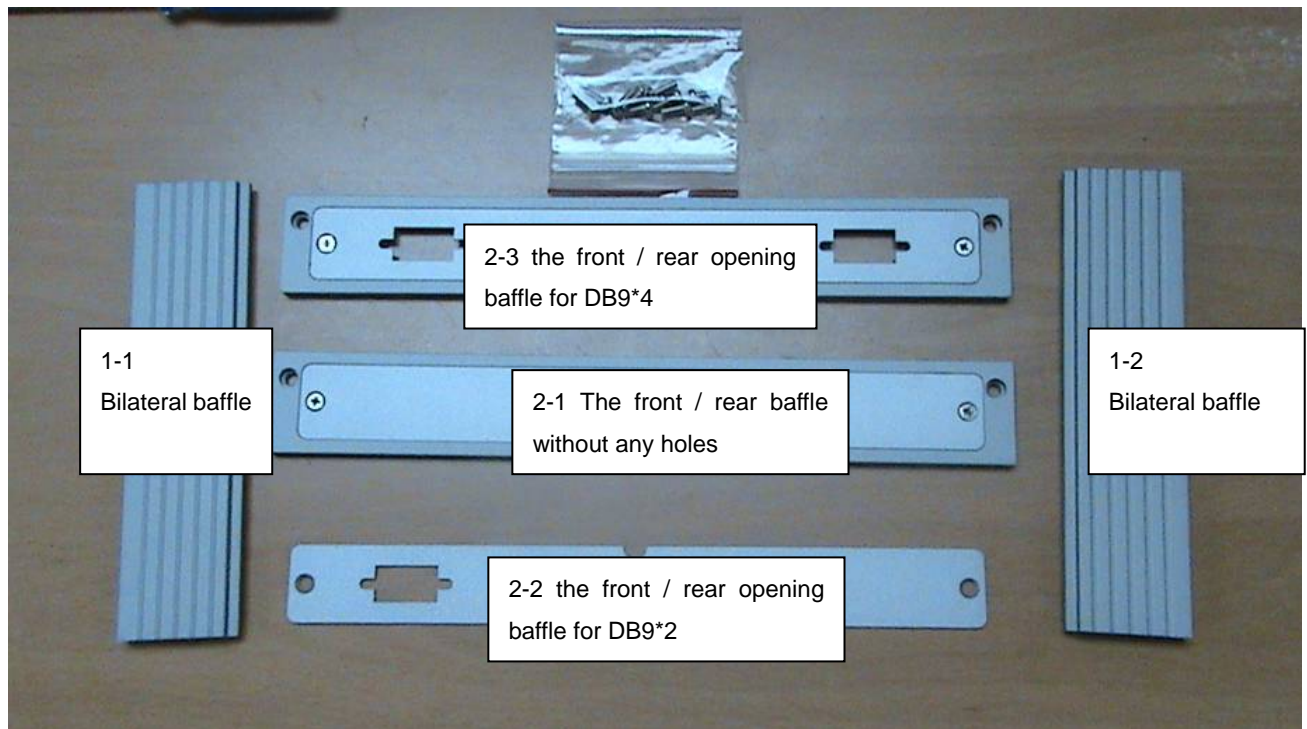
Figure 1: Components of the UNO-PCM21-AE expansion kit.



Figure 2: Installation Guide

# UNO-PCM21-A          Installation Guide

## Overview
UNO-PCM21-A gives you two PC/104 slots on your UNO-2100 Series product. The two PC/104 slots can be used for a wide range of extension cards such as data acquisition or communication modules.

## Packing List

| Item Number | Description | Quantity |
|---|---|---|
| 1 | Panel with 4 DB9 outputs | 1 |
| 2 | Panel with 2 DB9 outputs | 1 |
| 3 | Panel with no DB9 output | 1 |
| 4 | Front/Rear upper frame | 2 |
| 5 | Side upper panel | 2 |
| 6 | M3*8 Screws | 6 |
| 7 | M3*5 Screws | 4 |

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

## Installation Procedure

Step 1  Remove the four screws and rear lower panel of UNO-2100

Step 2  Slide out the top cover of UNO-2100

Step 3  Install the PC/104 modules (up to two PC/104 modules) on the UNO-2100 carrier board

Step 4  Slide in the side upper panels (item 5) on both left and right side

Step 5  Replace the rear lower panel and tighten its four screws

Step 6  Install the rear upper frame (item 4) with panel (item 1/2/3) and tighten its five screws (item6/7)

Step 7  Replace the top cover

Step 8  Install the front upper frame (item 4) with panel (item 1/2/3) and tighten its five screws (item6/7)
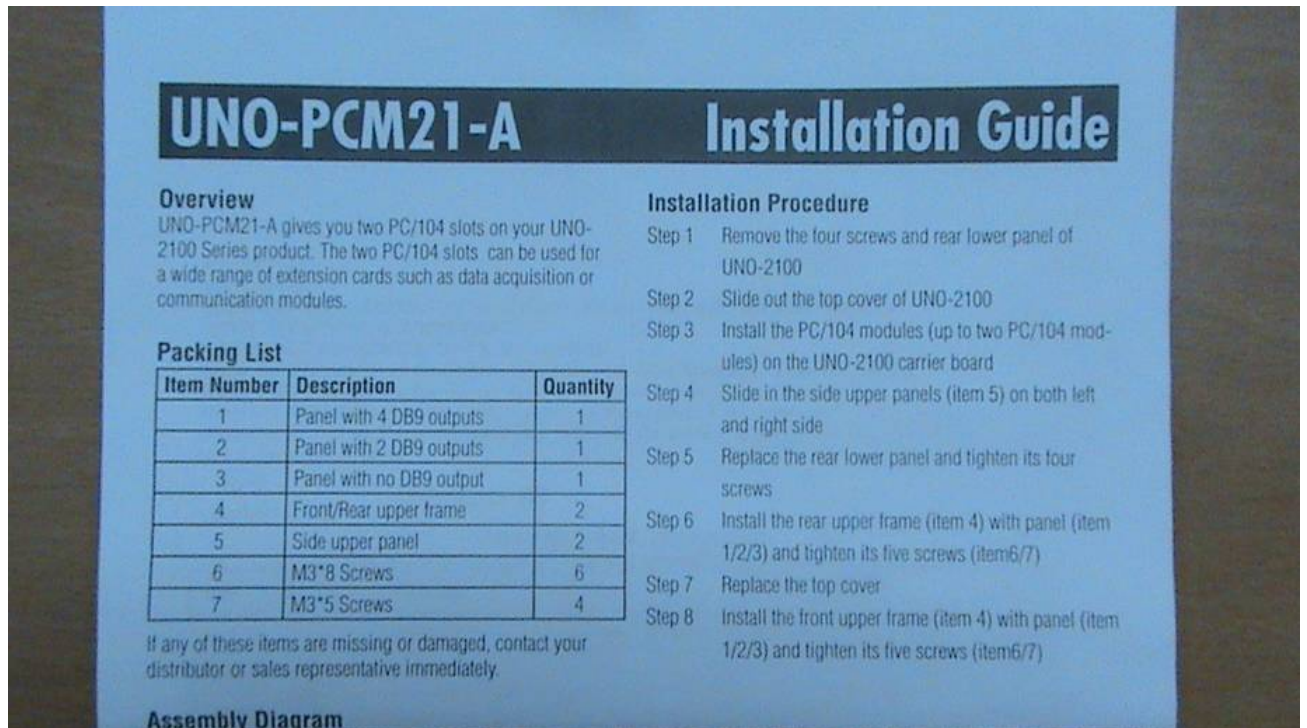
## Assembly Diagram

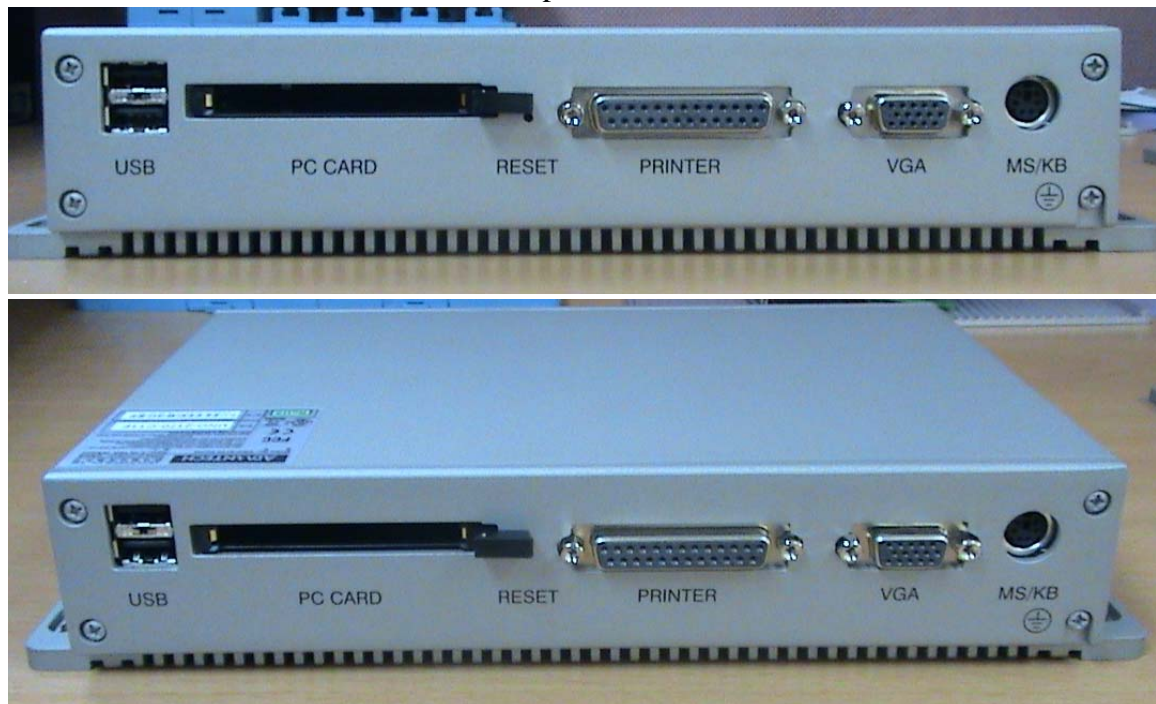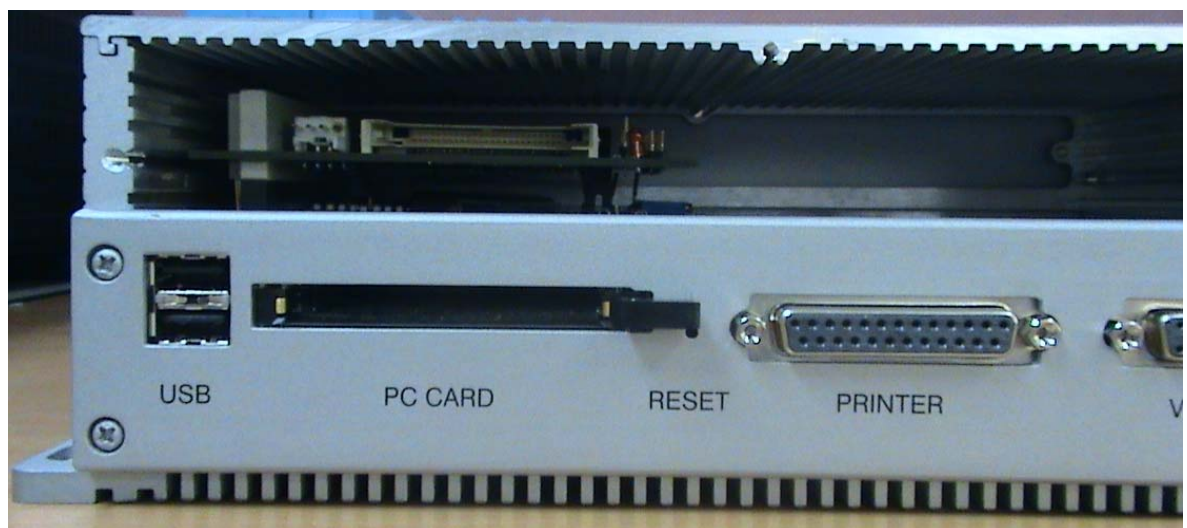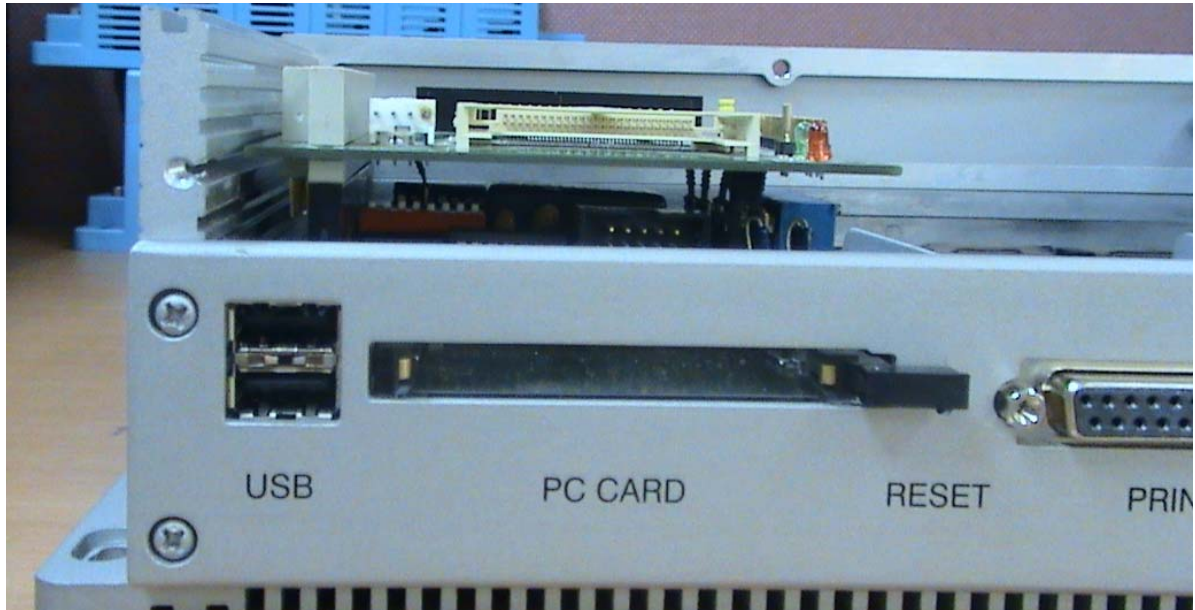Figure 3:
Before install of the UNO-PCM21-AE expansion kit:

Figure 4: After install of the UNO-PCM21-AE expansion kit:

Figure 5: Inside the expansion chassis. (A PCM-3835 and A PCM-3712 are plugged into UNO)

COMPACT FLASH DISK

USB     PC CARD     RESET     PRINTER     VGA



USB     PC CARD     RESET     PRINTER     V

The height of the unit will increase by 3.2 cm for each expansion kit that is installed. The length of the expanded unit doesn't change.

The expansion kit includes the following three types of **front / rear baffle**:
2-1 A **front / rear baffle** without any holes.
2-2 A **front / rear opening baffle** with DB9*2
2-3 A **front / rear opening baffle** with DB9*4

If you have special **front / rear opening baffle** request, Advantech may be able to provide customize service. Please contact our product division for further assistance.