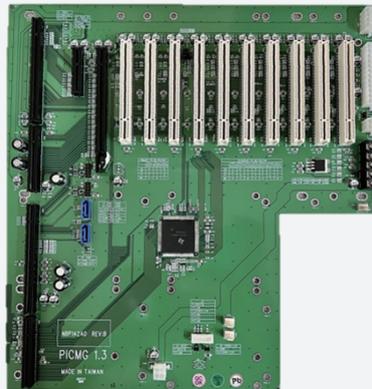


# NBP 142A0-CX

PICMG1.3, 14 x Slots Backplane for 4U Chassis  
with 1 x SHB Slot, 1 x PCIe x16, 1 x PCIe x4, 10 x PCI



## Main Features

- ◆ 14 x Slots
- ◆ 1 x PCIe x16
- ◆ 1 x PCIe x4
- ◆ 10 x PCI
- ◆ Dimension : 328 x 317 (mm)
- ◆ Power connector supports:
  - 24-pin ATX power connector
  - 8-pin ATX standard power connector
- ◆ Support  $\pm 12V/5V/3.3V$  power connector

## Product Overview

The NBP 142A0-CX is a 14 x Slots backplane with 1 x SHB slot, 1 x PCIe x16, 1 x PCIe x4, 10 x PCI slots. It follows PICMG 1.3 platform specifications and supports ATX power supply.

## Specifications

### System Architecture

- ◆ 14-slot backplane

### Slot

- ◆ 1 x SHB slot
- ◆ 2 x PCIe x16, 1 x PCIe x4, 10 x PCI

### Power Input

- ◆ 24-pin ATX power connector
- ◆ 8-pin ATX standard power connector support +12V

### Dimension

- ◆ 328 x 317(mm)

### Environment

- ◆ Board level operating temperatures: 0°C to 60°C
- ◆ Storage temperatures: -20°C to 80°C
- ◆ 4 layer PCB to reduce noise and keep lower

### Impedance

- ◆ Relative humidity:
  - 0% to 90% (operating, non-condensing)
  - 0% to 95% (non-operating, non-condensing)

### Certifications

- ◆ CE approval
- ◆ FCC Class A

## Ordering Information

### ◆ NBP 142A0-CX (P/N: TDB)

14 x Slots backplane for PICMG1.3 CPU board 1 x SHB slot, 1 x PCIe x16, 1 x PCIe x4, 1 x PCIe x4, 10 x PCI

### Compliance with PICMG1.3 CPU board

- ◆ PEAK 887VL2 (P/N: 10P0887VL00X0)
- ◆ PEAK 888VL2-H (P/N:10P00088800X0)
- ◆ PEAK 888VL2-Q (P/N: 10P00088801X0)
- ◆ PEAK 889VL2-H (P/N: 10P00088900X0)
- ◆ PEAK 889VL2-Q (P/N: 10P00088901X0)