



1.3



### Main Features

- Greater powers delivery capability
- System host board and add-on card
- Follows PICMG 1.3 mount holes and compatible with 4U chassis
- Support :
  - 1 x SHB Slot
  - 2 PCIe x 16 physical slot  
(1 PCIe x 16 or 2 PCIe x 8 by auto detect)
  - 5 PCIe x 4
  - 4 PCI
- Supports standard ATX power connector

### Product Overview

The NBP14880 is a 14-slot backplane with 1 SHB slot, 2 PCIe x 16, 5 PCIe x 4, 4 PCI slot. The PCIe x 16 slot support one PCIe x 16 or two PCIe x 8 by auto detect, provide flexible expansion options. It follows PICMG 1.3 platform specifications and supports ATX power supply.

### Specifications

#### System Architecture

- 14-slot backplane

#### Slots

- 1 SHB slot,
- 2 PCIe x 16 (support 1 PCIe x 16 or 2 PCIe x 8 )
- 5 PCIe x 4
- 4 PCI

#### Power input

- 24 PIN ATX Power Connector
- 8 PIN ATX Standard Power Connector Support +12V

#### Dimension

- 317mm (L) x 328mm (W)

#### Environment

- Board level operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- 6-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

### Dimension Drawing

316.99

327.66

