

# SPXE-14S

14-slot PICMG 1.3 backplane

## Quick Installation Guide

Version 2.01

October, 2025

### Features

- 14-slot PICMG 1.3 backplane
- One PCIe x16 slot (PCIe Gen2 x8 signal)
- Twelve PCIe x4 slot (PCIe Gen2 x1 signal)

### Packing List

- 1 x SPXE-14S-R21 module
- 1 x QIG (Quick Installation Guide)

**Table of Connectors**

ITEM	LABEL	FUNCTION
1	JP2 JP3	External 4 Port USB Connectors from the mainboard
2	FAN1 FAN2 FAN3 FAN4	Fan Connectors
3	CON5	Backplane to mainboard ATX Power Control Connector
4	PWR1	ATX Power Connectors
5	PWR2	ATX12V Power Source Connectors
6	CON4	External Power on Button Connector
7	CON3	External Reset Button Connector
8	CON2	External Power Good Connector
9	CON1	External System Management Connector
10	U2	PCIE X8 SDVO Control Signal Pin

## Jumpers & Connectors

JP2, JP3: External USB Connectors			
PIN NO.	Description	PIN NO.	Description
1	VCC_USB	2	GND
3	USBN_R	4	USBP_R
5	USBP_R	6	USBN_R
7	GND	8	VCC_USB

FAN1, FAN2, FAN3, FAN4: FAN Connector	
PIN NO.	Description
1	NC
2	+12V
3	GND

CON5: Backplane to Mainboard ATX Power Control Connector	
PIN NO.	Description
1	GND
2	PS_ON
3	VSB5

PWR1: ATX Power Connector			
PIN NO.	Description	PIN NO.	Description
1	VCC3.3	13	VCC3.3
2	VCC3.3	14	VCC-12
3	GND	15	GND
4	VCC5	16	PSON#
5	GND	17	GND
6	VCC5	18	GND
7	GND	19	GND
8	PWRGD	20	NC
9	VSB5	21	VCC5
10	VCC12	22	VCC5
11	VCC12	23	VCC5
12	VCC3.3	24	GND

PWR2: ATX12V Power Source Connector			
PIN NO.	Description	PIN NO.	Description
1	GND	2	VCC12
3	GND	4	VCC12
5	GND	6	VCC12

7	GND	8	VCC12
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CON4: External Power on Button Connector	
PIN NO.	Description
1	GND
2	SHBPWBT-

CON3: External Reset Button Connector	
PIN NO.	Description
1	GND
2	EXTRST-

CON2: External Power Good Connector	
PIN NO.	Description
1	GND
2	ATX_PWR_OK

CON1: External System Management Connector	
PIN NO.	Description
1	SMDATA
2	SMBCLK

U2: PCIE X8 SDVO Control Signal Pin	
PIN NO.	Description
1	EXP_EN
2	SDVO_CLK
3	SDVO_DAT

Get more information:

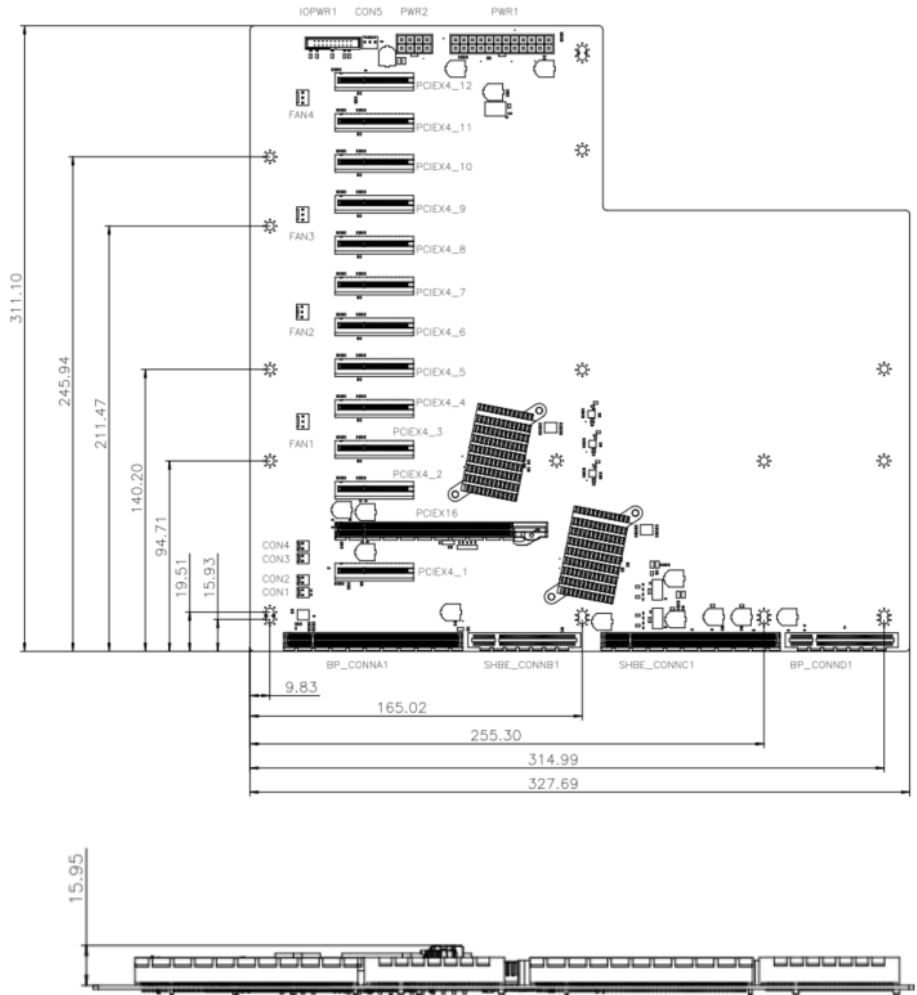


SPXE-14S



IEI Resource Download Center

## Dimensions (Unit: mm)



## Safety Instructions



Warning! Read the user manual before connecting the system to the power source.

Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.

Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

## Support



### IEI Support URL

[http://new.ieiworld.com/tw/online\\_support\\_form](http://new.ieiworld.com/tw/online_support_form)

## Compliance



This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.



This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



According to the requirement of the WEEE legislation the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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