COMMELL

CBPE-1X2P

PICMG1.3 Half-size Backplane

User's Manual

Edition 1.0
2016/11/04

Copyright

Disclaimer

Trademark

Any questions please visit our website at http://www.commell.com.tw

<Mechanical Drawing>

COMMELL

<Product Specification>
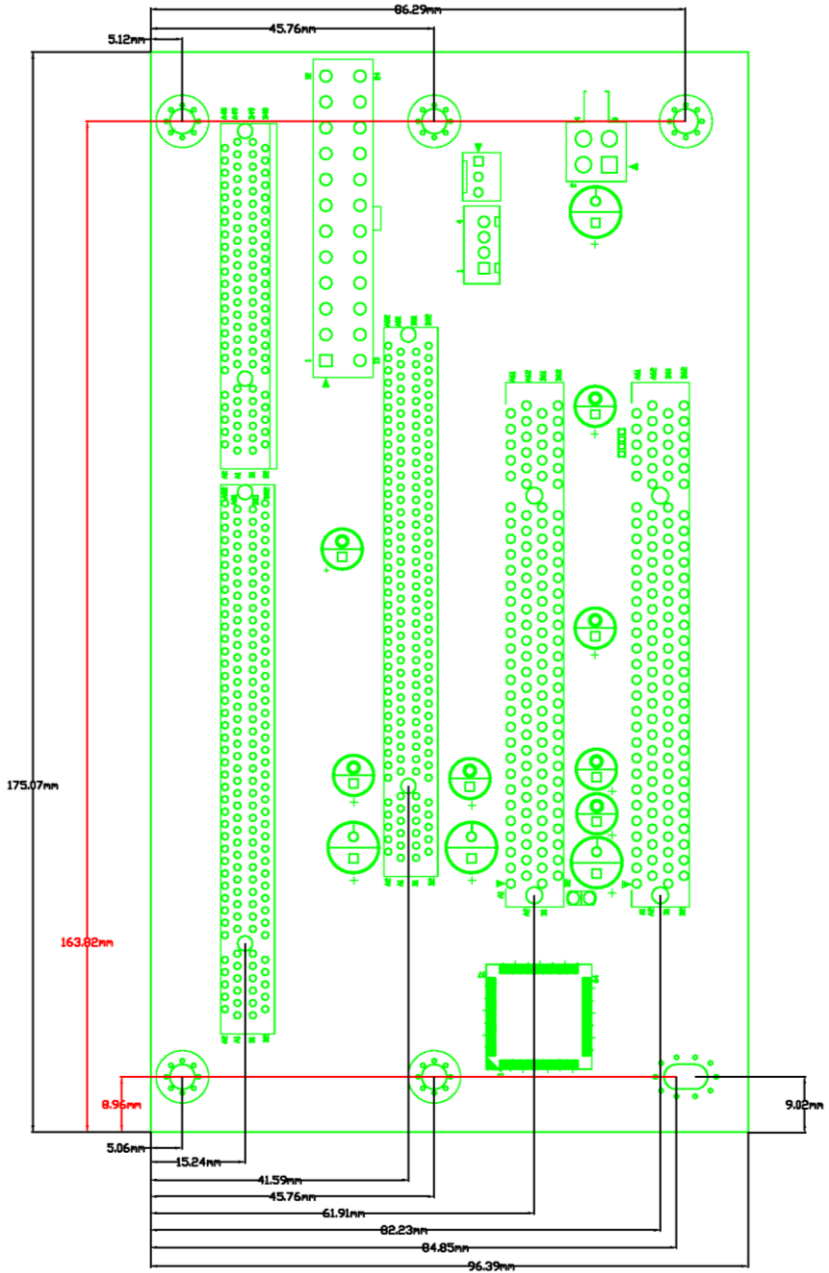
General Specification	
Form Factor	PICMG1.3 Half size Backplane
Extended Interface	1 x PCIe x16 slot, 2 x PCI slot
Power Requirement	Standard 24-pin ATX power supply
Dimension	175.07 x 96.39 mm

The specifications may be different as the actual production.

For further product information please visit the website at http://www.commell.com.tw/

<Connectors list>

Connector	Function
SHB Express	SHB PICMG 1.3 Half-SIZE SBC Slot
PCIe x16	164-pin support PCIe x16 slot
PCI 1	120-pin PCI slot
PCI 2	120-pin PCI slot
CN_12V	ATX12V connector auxiliary power support
ATX	20+4-pin main power connector
JPBT	Power , Reset button connector
FAN	3-pin fan connector
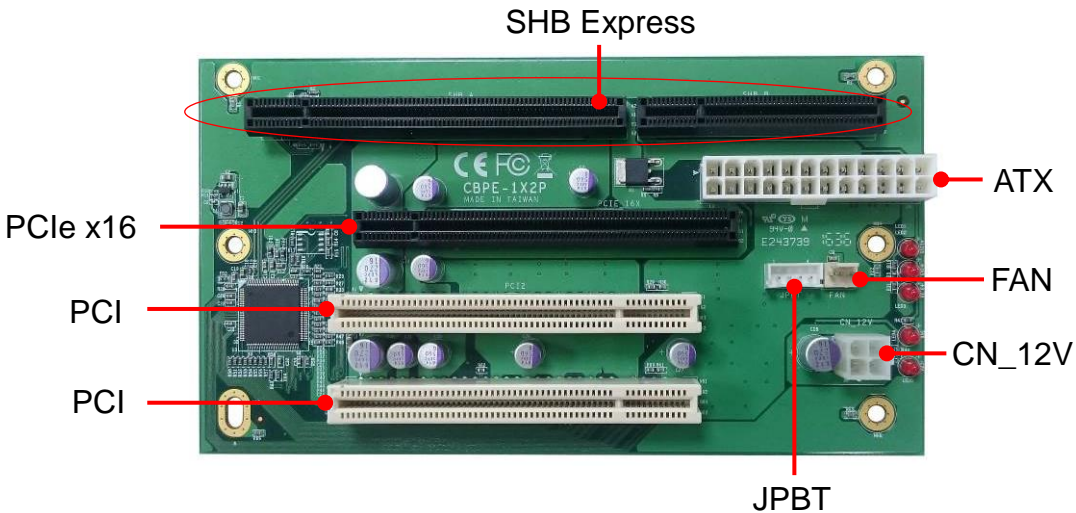
< Power Input >
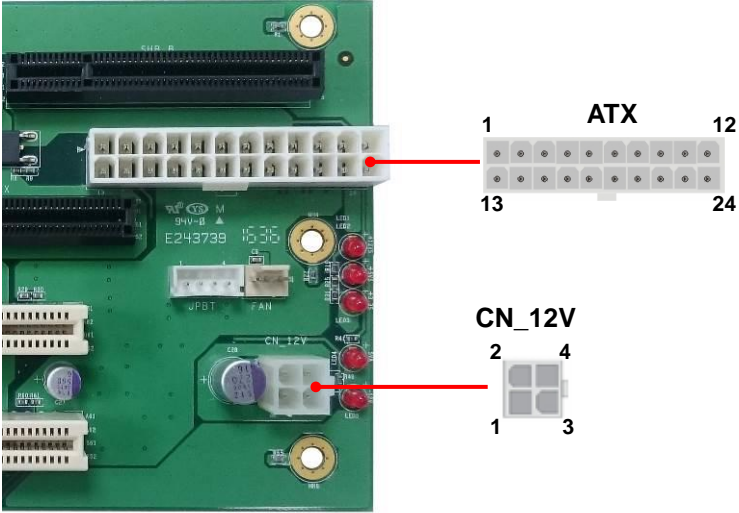
Connector: ATX

Connector Type:

Main power 24-pin connector (as input)
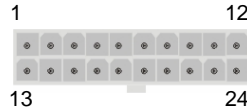
Pin	Signal	Pin	Signal
1	3.3V	13	3.3V
2	3.3V	14	-12V
3	GND	15	GND
4	5V	16	PSON
5	GND	17	GND
6	5V	18	GND
7	GND	19	GND
8	POWER_OK	20	-5V
9	5VSB	21	5V
10	12V	22	5V
11	12V	23	5V
12	3.3V	24	GND

Connector: CN_12V

Connector Type:

ATX12V 4-pin connector
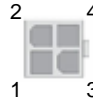
Pin	Signal	Pin	Signal
1	GND	2	GND
3	12V	4	12V

"CN_12V" for increase the current input.

< Power Switch & FAN >

Connector: JPBT

Connector Type:

Panel Switch 4-pin header
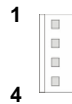
Pin	Signal
1	Power Button
2	GND
3	Reset
4	GND

Connector: FAN

Connector Type:

Cooler fan 3-pin header
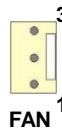
Pin	Signal
1	GND
2	12V
3	N/A

Contact information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

Taiwan Commate computer Inc.

Address	19F., NO.94, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan.
TEL	+886-2-26963909
FAX	+886-2-26963911
Website	www.commell.com.tw
E-mail	info@commell.com.tw (General information) tech@commell.com.tw (Technical Support)

Commell is a brand name of Taiwan Commate computer Inc.