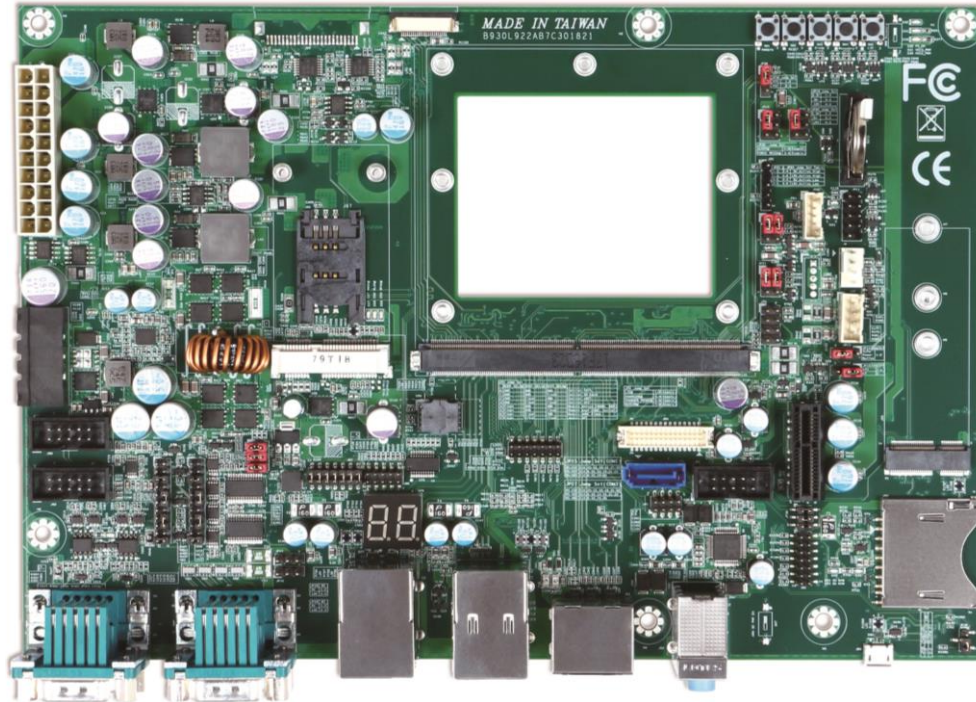


## SMARC™ 2.0 Compliant Carrier Board

# PSMC-C301

- Evaluation/Reference Carrier Board for SMARC 2.0
- SMARC® defined signals to standard interface connectors.
- Schematic available for design reference



## Specifications

### Dimensions

250mm x 170mm (9.85" x 6.7")

### Internal Graphic Interface

2x 24 bit LVDS connector shared with 2x eDP or 2x MIPI-DSI

### External Graphic Interface

1x Display Port  
1x HDMI

### Ethernet

2x RJ45(GbE)

### Camera Interfaces

1x CSI2, 1x CSI4

### Audio

1x HDA LINE in/out and MIC

### I/O Connectors

1x PCIe x1 | 1x miniPCIe/SIM | 1x M.2 socket Key E (up to 2280)  
2x USB 2.0 | 2x USB 3.0 | 1x micro USB 2.0 (OTG)  
1x SATA | 1x SD Card Connector  
2x RS-232 on Box Header | 2x RS232/422/485 on D-SUB9  
2x CAN on D-SUB9 | 3x GPIO | 1x I<sup>2</sup>S | 1x eSPI on Header  
1x SPI0 on EEPROM Socket shared with TPM

### Power Input

ATX Power Supply (12-24V) | 3P Phoenix Connector (9-36V wide range DC input support)

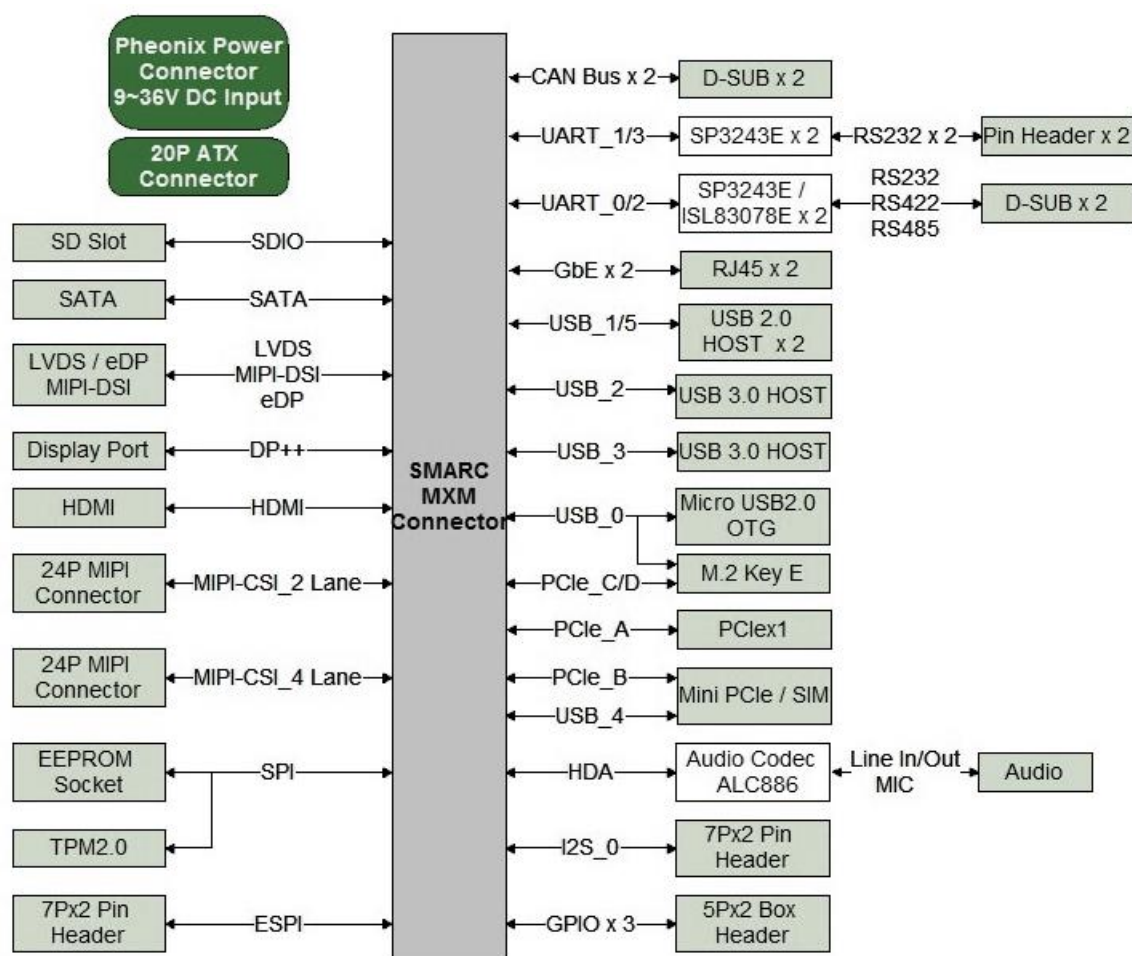
### Temperature

Operating: -40°C to +85°C | Storage: -20°C to +80°C

### Humidity

10-90% RH operating, non-condensing  
5-95% RH storage (and operating with conformal coating)

# Functional Diagram



**MITWELL**  
MITWELL, Inc.  
9F., No.242, Bo'ai St., Shulin Dist.,  
New Taipei City 238, Taiwan  
T: +886-2-7739-5566  
F: +886-2-7715-0690

## Portwell, Inc. (Headquarters)

No. 242, Bo'ai St., Shu-Lin Dist, New Taipei City  
238, Taiwan  
Tel: +886-2-77318888  
Fax: +886-2-77319888  
E-mail: info@portwell.com.tw  
http://www.portwell.com.tw

## Americas

### American Portwell (Fremont, CA)

44200 Christy St., Fremont, CA 94538, USA  
Tel: +1-510-403-3399  
Fax: +1-510-403-3184  
E-mail: info@portwell.com  
http://www.portwell.com

### Portwell Latin America (Brazil)

Av. Paulista, 1274 - 13 andar, CEP 01310-200, Sao Paulo  
Tel: +55(11) 2309-3513  
http://www.portwell.com.br

## India

### Portwell India Technology

2<sup>nd</sup> Floor, 5M-665, 5<sup>th</sup> Main Road, OMR Layout,  
Banarwadi, Bangalore -560043, India  
Tel: +91-80-41684255  
E-mail: info@portwell.in  
http://www.portwell.in

## China

### Shanghai Portwell

Room 1303-1, Building 33, 258 Xinzhuang Rd  
Songjiang District, Shanghai, 201612, China  
Tel: +86-21-5771-2505  
Fax: +86-21-5772-2965  
E-mail: info@portwell.com.cn  
http://www.portwell.com.cn

### Beijing Portwell

4F, Building 5, Qunying Zone, Chuangye Rd. 8,  
Shangdi, Haidian District Beijing 100085, China  
Tel: +86-10-8270-1616  
Fax: +86-10-8270-0806  
E-mail: info@portwell.com.cn  
http://www.portwell.com.cn

## Korea

### Portwell Korea, Inc.

O-BIZ Tower 1901, No. 126,  
Beolmal-ro, Dongan-gu, Anyang-si,  
Gyeonggi-do, Korea, 431-060  
Tel: +82-31-450-3043  
Fax: +82-31-450-3044  
E-mail: info@portwellkorea.co.kr  
http://www.portwellkorea.co.kr

## Europe

### European Portwell

Schillingweg 3, 2153 PL  
Nieuw Vennep,  
The Netherlands  
Tel: +31-252-620760  
Fax: +31-252-621325  
E-mail: info@portwell.eu  
http://www.portwell.eu

### Portwell Deutschland GmbH

Olto-Hahn-Str. 48, D-63303 Dreieich  
Tel: +49-6103-3008-0  
Fax: +49-6103-3008-199  
E-mail: info@portwell.eu  
http://www.portwell.de

### Portwell (UK) Ltd.

Office TH2  
Trident House, Trident Park Basil Hill  
Road, Didcot, OX11 7HJ, UK  
Tel: +44(0)1235-750760  
Fax: +44(0)1235-750761  
E-mail: info@portwell.co.uk  
http://www.portwell.co.uk

## Japan

### Portwell Japan, Inc. (Tokyo)

〒112-0011 4-27-10, Sengoku, Bunkyo-ku,  
Tokyo, Japan  
Tel: +81-3-6902-9225  
Fax: +81-3-6902-9226  
E-mail: info@portwell.co.jp  
http://www.portwell.co.jp

### Portwell Japan, Inc. (Osaka)

〒532-0004 Site 501 Nippo Shin-osaka Dai-2 Bldg,  
1-8-33 Nishi-Miyahara, Yodogawa-ku Osaka Japan  
Tel: +81-6-4807-7721  
Fax: +81-6-4807-7720  
E-mail: info@portwell.co.jp  
http://www.portwell.co.jp

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