

Ultra-small form factor Industrial PC with Intel® Apollo Lake family processor

# Kuber-212D

- Intel® Celeron® processors ("Apollo Lake")
- On Board LPDDR4 DRAM up to 4GB
- Support 2 LAN and M.2 with wireless module
- Extend 3 LAN with PoE (15.4W)
- On Board eMMC 5.0 up to 256GB
- Heavy Industry EMC
- Support Extended Temperature (Optional)



## Specifications

### General

#### CPU

Intel® Celeron N3350, 2 cores, 1.1GHz/2.4 GHz, 6W TDP

#### Memory

On Board LPDDR4 up to 4GB , 2400MT/s  
 Dual memory channel, 64bit, non-ECC

#### Mass Storage

eMMC 5.0 onboard flash 32GB up to 256 GB

#### Power Input

Standard: 12-30 VDC

#### Operation System

Windows® 10 IoT Enterprise LTSB 2016 (64-bit)

#### Expansion

1x M.2 Key E 2230 for Wireless card

### Basic I/O Interface

#### Power Connector

1x 2-Pin Terminal Block

#### Giga LAN

2x 10/100/1000 GbE (Intel® i210)

#### USB

2x USB 3.0

#### Display

1x DP v1.4 4096 x 2160 @ 60Hz

### Extended I/O Interface

1x 2-Pin Terminal Block

3x 10/100/1000 GbE with PoE (15.4W)

### EMC Standard

CE, FCC, (EN 55022, EN 55032)



### Environmental and Mechanical

#### Storage Temperature

-40 °C ~ 85 °C

#### Operating Temperature

0°C ~ 50°C

#### Permissible Humidity

5-95% RH operating, non-condensing

5-95% RH storage, non-condensing

#### Vibration

1G, with DIN EN 60068-2-6

#### Shock

15g with 11 ms impulse length, 18 shocks in total (EN 60068-2-27)

#### Degree of Protection

IP 30

#### Dimension

99mm (L) x 63mm (W) x 92 mm (D)

#### Net Weight

0.65 Kg

#### Mounting

DIN-Rail / Wall Mount

#### Cooling

Fan-less

### Optional Accessories

#### Power Adaptor

2-pin Connector, 60W, 24V/2.5A

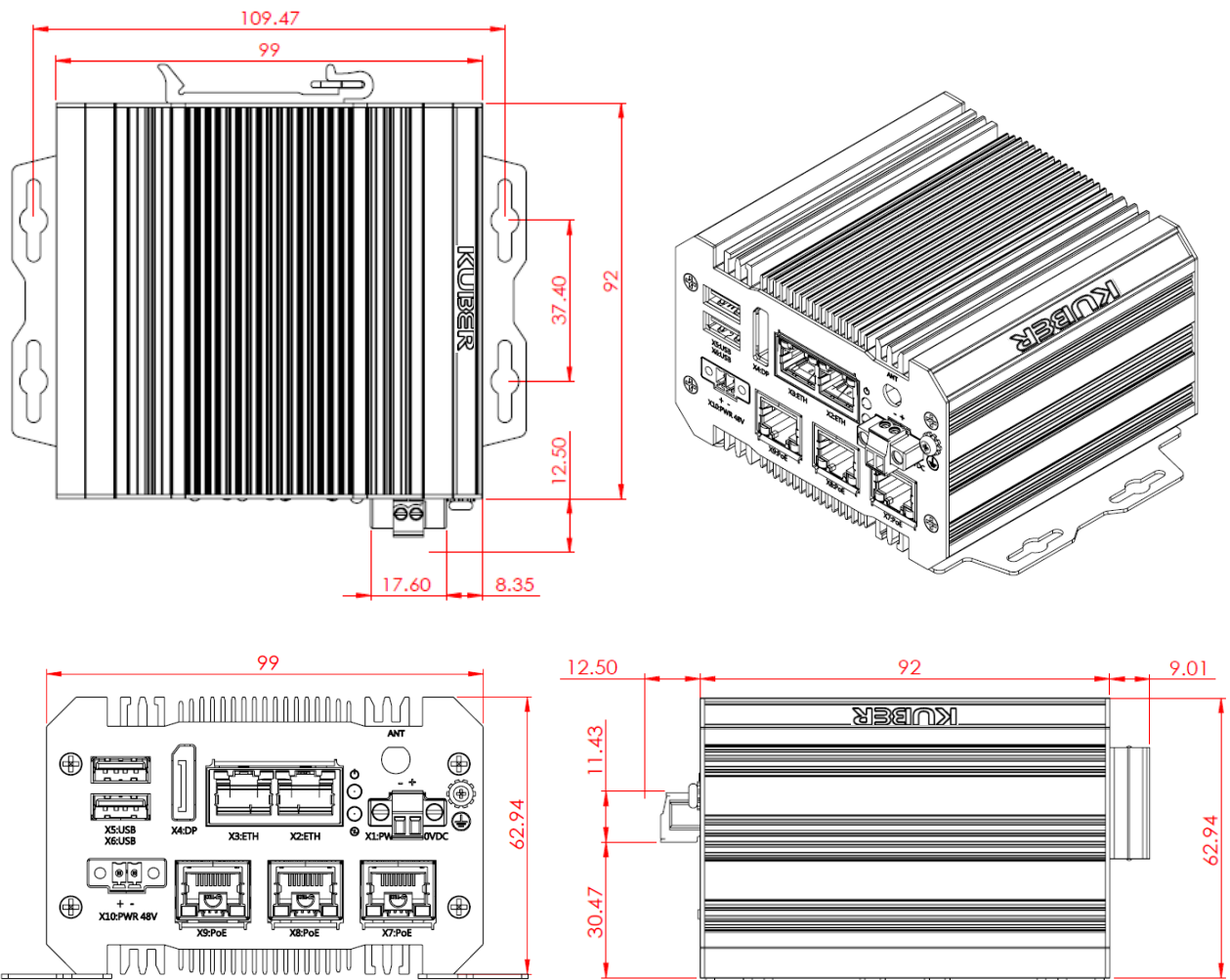
#### Mounting Kit

DIN-Rail / Wall Mount

#### Video Adaptor

DP to VGA/ DP to DVI

# Dimension



**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, OMBR Layout,  
 Banaswadi, 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: +86-21-6772-2965  
 E-mail: info@portwell.com.cn  
 http://www.portwell.com.cn

**Beijing Portwell**  
 4F, Building 5, Quying Zone, Chuangye Rd. 8,  
 Shangdi, Haidian District Beijing 100085, China  
 Tel: +86-10-5270-1616  
 Fax: +86-10-5270-0606  
 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: +31-252-620790  
 Fax: +31-252-621325  
 E-mail: info@portwell.eu  
 http://www.portwell.eu

**Portwell Deutschland GmbH**

Otto-Mahn-Str. 48, D-63303 Dreieich  
 Tel: +49-6103-3008-0  
 Fax: +49-6103-3008-199  
 E-mail: info@portwell.de  
 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 Ste.501 Nippo Shin-osaka Dai-2 Bldg,  
 1-8-30 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

All products and company name listed are trademarks or trade names of their respective companies.  
 Updated by Mar. 29th, 2019. ©2019 Mitwell, Inc. All Rights Reserved.  
 All specifications are subject to change without further notice