

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

KUBER-212D

- Intel® Celeron® processors ("Apollo Lake"), up to 4 cores (optional)
- 4GB onboard LPDDR4 memory
- Supports 2 GbE, 2 USB 3.0 and 1 DP
- 3 additional 802.3af PoE GbE (power budget 31W)
- M.2 Key E for Wireless communication
- 32GB onboard eMMC 5.0 storage
- Heavy industrial EMC
- Extended temperature options for extreme environments



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 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 (24VDC)

3x 802.3af PoE GbE (power budget 31W)

EMC Standard

CE, FCC (EN 55024, EN 55032, EN 61131-2)

CE (EN 61000-6-4: 2007 + A1: 2011, Class A, EN 61000-6-2:2005)

FCC (CFR Title 47 Part15 Subpart B: 2018 Class A)



Environmental and Mechanical

Storage Temperature

-40 °C ~ 85 °C

Operating Temperature

-20°C ~ 50°C @ 5~85% RH with no airflow

Relative Humidity

5 %~ 95 % (non-condensing)

Vibration

1G with DIN-Rail Mounting (EN 60068-2-6)

Shock

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

Degree of Protection

IP30

Dimension

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

Net weight

0.65Kg

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

