Industrial IoT Gateway System with Quad Core Cortex A72 Processor

KUBER-1000

- Quad core Cortex-A72 64-bit (ARM v8)
- Two Ethernet ports and Wi-Fi support for multiple network connections
- Real Time clock (RTC) for device to keep accurate time
- Support TPM hardware security .
- Support wall-mount and Din rail for industrial application

Specification

General

CPU

Quad core Cortex-A72 (ARM v8) 64-bit SoC, 1.5GHz

Memory

On Board LPDDR4 2GB (up to 8GB), 3200MT/s
Dual memory channel, 64bit, non-ECC

Mass Storage

16G Industrial micro-SD, 32G option
Other size of micro-SD by request.

Power Input

Standard: 24VDC (+/- 30%)

Operation System

Yocto, Ubuntu IoT

Security

Trusted Platform Module 2.0

Wireless Connection (optional)

2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless
Bluetooth 5.0, BLE

Miscellaneous Feature

Real Time Clock

I/O Interface

Power Connector:

1x 2-Pin Terminal Block

Giga LAN:

2x 10/100/1000 bit Ethernet

USB:

2x USB 2.0

Display:

1x HDMI 2.0 with 3840x2160 @ 30 Hz resolution

EMC Standard

CE, FCC Compliance

Environmental and Mechanical

Operating Temperature:

0℃ ~45℃ with air flow

Storage Temperature:

-40 °C ~ 85 °C

Permissible Humidity

5-95% RH operating, non-condensing
5-95% RH storage, non-condensing

Vibration

1G, by DIN-Rail/ Wall mount (EN 60068-2-6)
2G Random, 5~500Hz, 1hr/axis, by wall mount (MIL-STD-810G 514.7C-V Category-4)

Shock

15G with 11ms impulse length by Wall mount (EN 60068-2-27)
40G with 11ms impulse length, half sine, 11ms (EN 60082-2-27)

Degree of Protection

IP 30

Dimension

99mm (L) x 92mm (W) x 34 mm (D)

Net Weight

0.3 Kg

Mounting

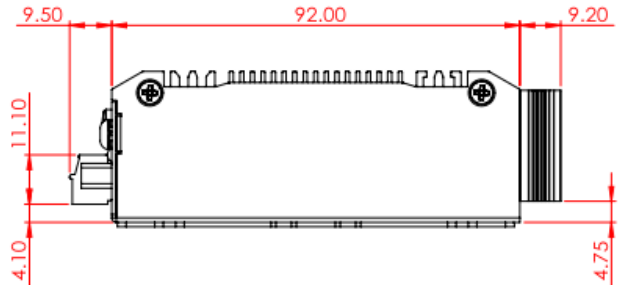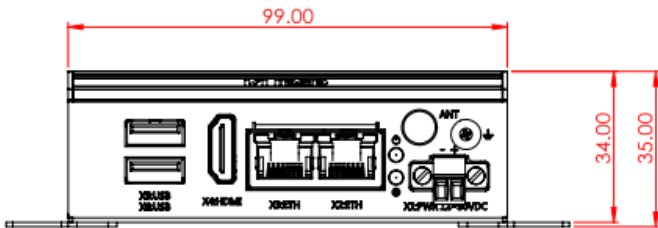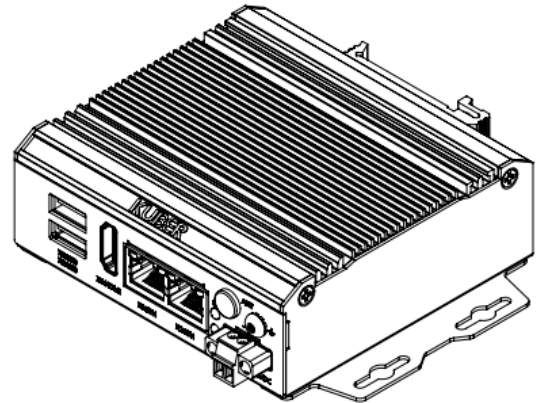DIN-Rail / Wall Mount
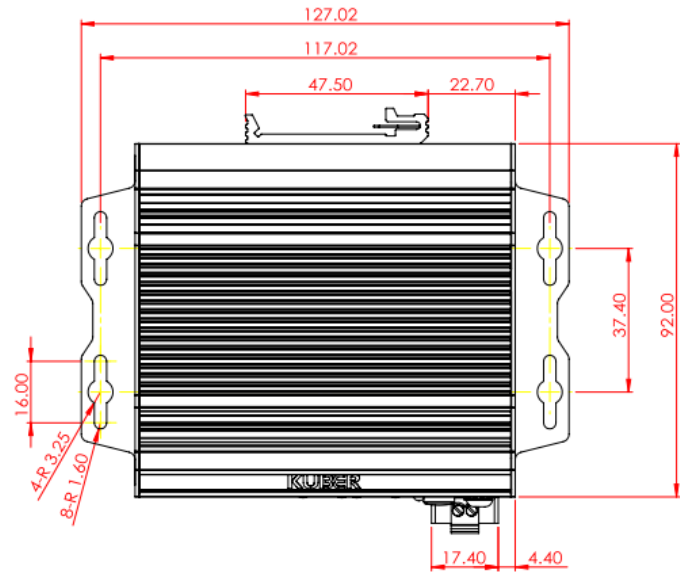
Cooling

Fan-less

Optional Accessories

Power Adaptor

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

Mounting Kit

DIN-Rail / Wall Mount

Dimension