

Stack-up Din-Rail Modular Gateway with Intel® Quark x1021 Processor for Building Management System in IoT

Front View



## Features

- Intel® Quark SoC Series
- Onboard 512MB DDR3 800MHz SODIMM
- Industrial I/Os: DI x6, DO x2, ADC x4, DAC x1, Isolated RS-485 x1
- LAN x1, USB x1, RS232 x1
- mPCIe card slot x1 for Wireless Connectivity
- Fan-less Cooling System
- Modular Design-Easy to Customize
- Moon Island Capable with McAfee Security
- Onboard 4 GB eMMC Storage



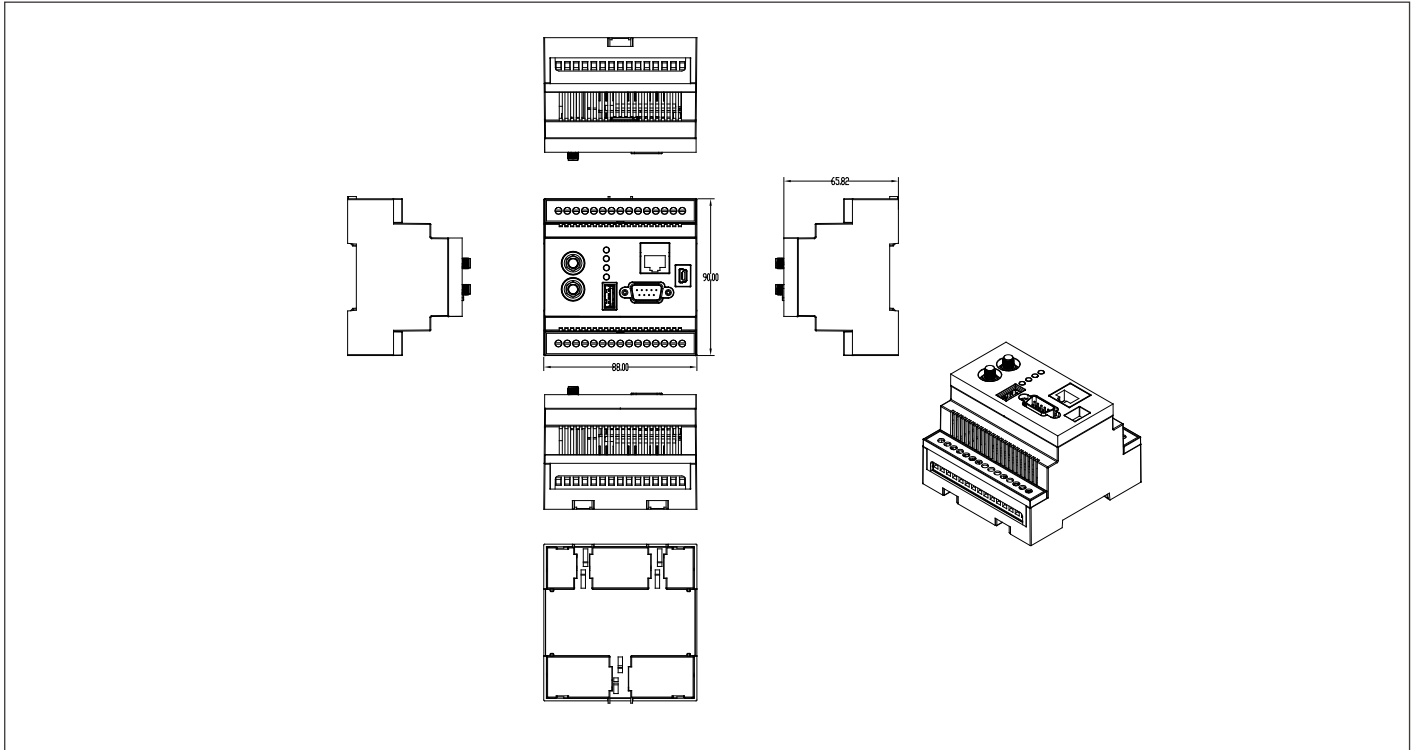
## Specifications

System	
Processor	Intel® Quark SoC x1021
System Memory	Onboard 512MB DDR3 800MHz ECC, un-buffered memory
Ethernet	10/100, RJ-45 x1
I/O	PC board- RS-232 x1 (D-sub 9-pin) USB 2.0 x1 mini USB 2.1 x1 10/100 LAN x1 I/O board- DI x6, DO x2 ADC x4, DAC x1 Isolated RS-485 x1 (terminal block) Analog Input x1 (optional) Antenna hole x2 Power LED x1 SD card LED x1
Storage	eMMC 4GB
Expansion Slot	PCIe Mini card x1
OS support	Wind River Linux
Mechanical	
Mounting	Din-Rail mounted
Dimension	8.84" x 6.42" x 1.81" (224.5mm x 163mm x 46mm)
Gross Weight	—
Net Weight	—
Environmental	
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Humidity	10%~95% @40°C, non-condensing
Power Supply	
DC input	DC 24V
Optional Connectivity	
Support Connectivity	3G/ Wi-Fi/ Bluetooth

# AIOT-DRM

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Moon Island Production Kit	DRAM	Storage	LAN	USB	RS-232	RS-485	Expansion slot	Temp
AIOT-DRM-A10-01	Quark x 1021	1	DDR3 512MB	4 GB	10/100 x 1	2.0 x 1	1	1	Mini PCIe slot x 1	0°C ~ 40°C

## Packing List

- AIOT-DRM

## Optional Accessories

- **9741159H00**  
Wireless LAN Kit, IEEE 802.11 b/g/n, w/ BT 4.0/3.0 (Azure Wave AW-NB159H), w/ Cable and Antenna
- **9741E91000**  
Mini PCIe 3G Module Kit, USB Interface, Telit, HE910-D, w/ Cable and Antenna