

AIOT-DRM

Preliminary

AAEON Stack-up Din-Rail Modular Gateway for Building Management System in IoT Industry



Features

- Intel® Quark™ SoC series
- On board DDR3 512MB
- Industrial I/Os: DI x6, DO x2, ADC x4, DAC x1, Isolated RS-485 x1
- LAN x1, USB x1, RS232 x1
- mPCIe card slot for wireless connectivity
- Fan-less Cooling System
- Modular design- easy to customize

Specifications

System	
Processor	Intel® Quark™ series
System Memory	On board DDR3 512MB
LCD/CRT Controller	N/A
Ethernet	10/100Base-TX, RJ-45 x1
I/O Port	PC board- RS-232x 1 (D-sub 9pin) USB 2.0 x 1 mini USB 2.1 x1 10/100 LAN x1 I/O board- DI x6, DO x2 ADC x4, DAC x1 Isolated RS485 x1(terminal block)
Storage	eMMC 4GB
Expansion Slot	PCIe Mini card x 1
OS support	Wind River Linux(Moon Island compliance)
Mechanical	
Mounting	Din-Rail
Dimension	224.5(L)x163(W)x46(H)mm
Environmental	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Humidity	10%~95% @40°C; non-condensing
Power Supply	
DC input	DC 24V
Modular Placement	
PC board	RJ45 x1 COM (RS232)-D-sub 9pin type x1, USB 2.0 x1, mini USB 2.1 x1 Antenna- SMA type x2 Mini PCIe slot x1 UIM card slot x1
QCM board (Quark compute module)	Intel® Quark™ SoC On board DDR3 512MB
I/O board terminal blocks	Isolated RS-485 x1 Isolated 4-20mA current loop receivers x4 isolated 4-20mA current loop transmitter x1 non-isolated 24V Digital Inputs x6 non-isolated 24V/100mA Digital Outputs x2 Single 24V DC +/- 2% input
Backplane board	Connect PC/QCM and /IO board

Ordering Information

TBD

Optional Accessories

TBD