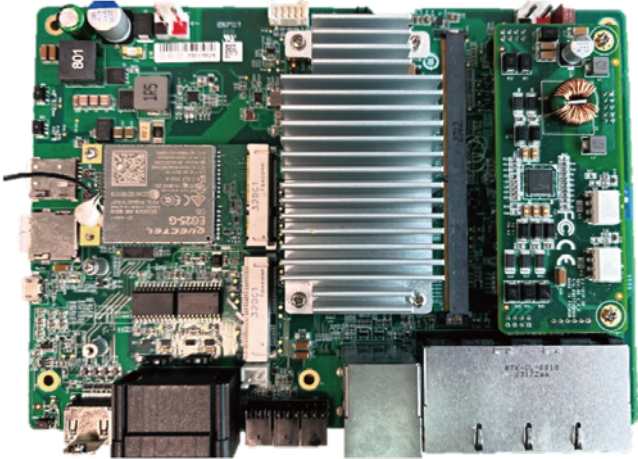


ACM-SM21E

SMARC2.1 SOM Board



Features

- Support SMARC 2.1
- 2 x USB 3.0 type A, 2 x RS485, 2 x DI
- 1 x HDMI 2.0
- 9-36V DC, wide-range power input
- Optional Expansion for Cellular / WLAN
- 4 x PoE support compliant with IEEE 802.3af-2003 standard, and delivers a maximum power of 15.4 watts per port.
- 1 x Gigabyte ethernet

Specification

System

Cellular	3G/4G/LTE, USB Signal
Wireless LAN	WiFi 802.11 b/g/n, PCIe signal
LED indicators	6 x LED indicators

Power Supply

Power Requirement	9-36 VDC, 2-pin terminal block
Power Consumption	TBD

Environmental and Mechanical

Dimension	185mm * 130mm
Weight	TBD
Mounting/Installation	--
Operating Temp.	-4 °F ~ 131 °F (-20 °C ~ 55 °C)
Storage Temp.	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operating Humidity	10% ~ 95% relative humidity, non-condensing

Interface

Serial Port	2 x RS-485, terminal block
Ethernet	1 x 10/100/1000 Mbps, auto MDI/MDI-X, RJ-45 4 x 10/100 Mbps PoE IEEE 802.3af-2003 (15.4W) PSE, auto MDI/MDI-X, RJ-45
DI	2 X DI (Wet contact ,sink) Low input voltage < +8V High input voltage +9V ~ +31.2V
USB	2 x USB 3.0, Type A 1 X Micro USB (Debug)
Display	1 x HDMI 2.0
Other Interface	1 x Micro-SD slot 1 x Nano SIM card slot
Expansion Slot	1 x mPCIe slot (USB signaling for 4G/LTE module) 1 x mPCIe slot (PCIe & USB signaling for WLAN module)

Certification

Regulations	CE, FCC
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Ordering Information

ACM-SM21E1	2xRS485, 4x 10/100Mbps ethernet with POE, 1x Giga ethernet, 2x DI, 9-36 VDC
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Dimension and Drawing

