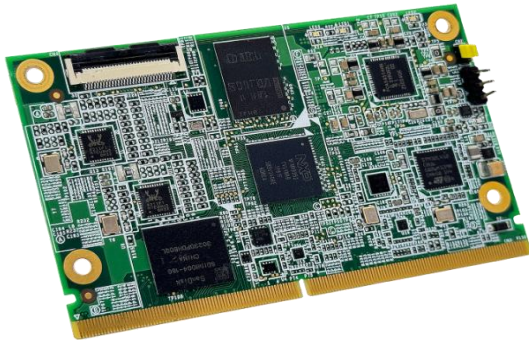


iEC-N321

Short-sized SMARC 2.1 Module with
NXP i.MX 93 Dual Cortex-A55



Features

- NXP i.MX 93 Dual Cortex-A55
- Short-sized SMARC (82 x 50 mm) with MXM3 connector
- 2 GB LPDDR4, 16 GB eMMC
- Double display: HDMI 1.4a, LVDS
- Industrial operating temperature: -40 ~ 85°C

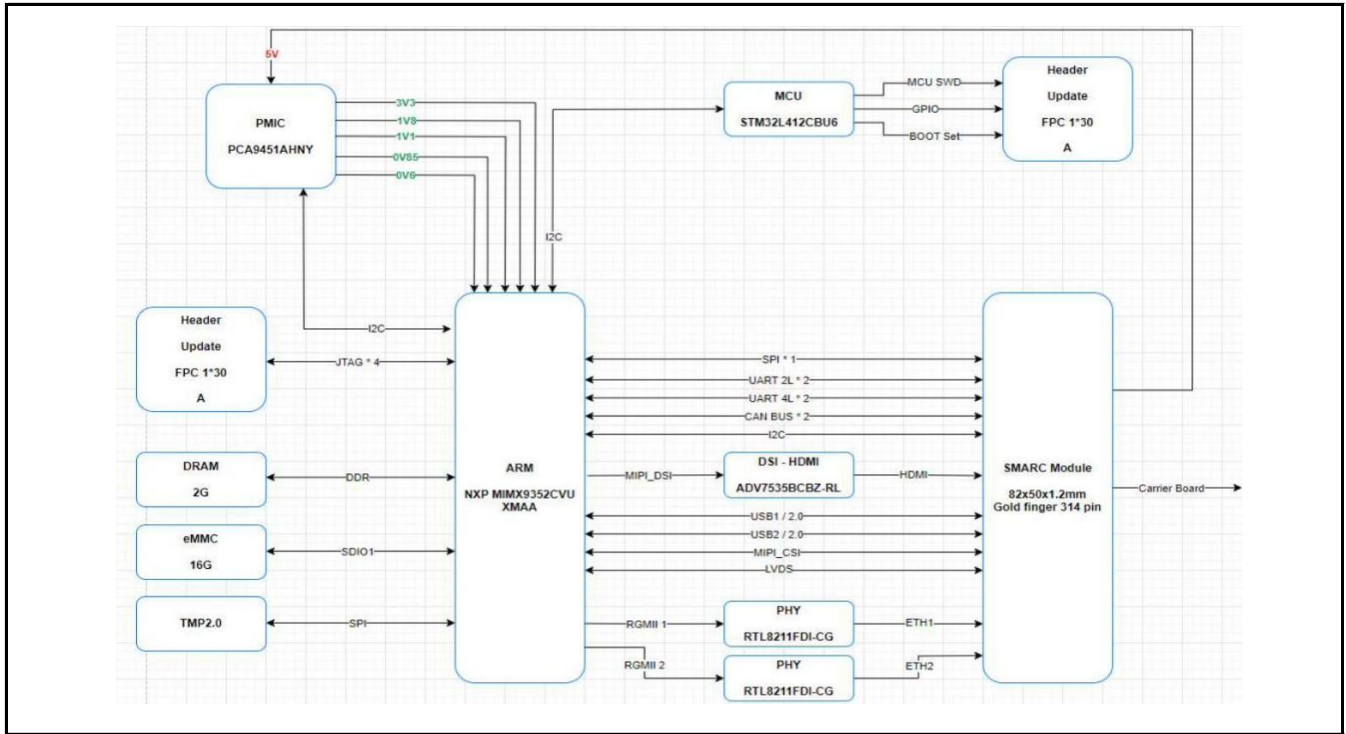
Specifications

| System | |
|------------------------------|---|
| CPU/MCU | NXP i.MX 93, dual Cortex-A55 @1.7 GHz Processor |
| Memory | 2 GB LPDDR4 |
| Storage | 16 GB eMMC |
| Real time clock | -- |
| Indicators | -- |
| Cellular | -- |
| Wireless LAN | -- |
| Operating System | -- |
| Support Protocol | -- |
| Power Supply | |
| Power Requirement | 5 VDC |
| Power Consumption | -- |
| MTBF (Hours) | -- |
| Environmental and Mechanical | |
| Dimension | 82 x 50 mm (3.22" x 1.96") |
| Weight | 0.02 kg |
| Mouting/Installation | -- |
| Operating Temperature | -40 ~ 85 °C (-40 ~ 185 °F) |
| Storage Temperature | -40 ~ 85 °C (-40 ~ 185 °F) |
| Operating Humidity | 5% ~ 95% relative humidity, non-condensing |
| Certification | |
| Regulations | -- |
| Carrier | -- |

| Interface (Supply by carry board) | |
|-----------------------------------|--|
| Serial Port | 2 x 2-Wire 2 x 4-Wire |
| CAN Bus | -- |
| Ethernet | 2 x Ethernet 10/100/1000 |
| USB | 2 x USB 2.0 |
| ADC | -- |
| DI/DO | -- |
| AI/AO | -- |
| Display | 1 x HDMI 1.4a 1080P @60 1 x 4 Lane LVDS |
| Power Connector | -- |
| Debug Port | -- |
| Expansion Slot | -- |
| Other Interface | -- |

Block Diagram

Unit: mm / inch



Ordering Information

Packing List

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Part Number

2IEC-N321-01 SOM, NXP i.MX 93, 1.7 GHz, 2G RAM, 16 GB eMMC