

# Solidsense N8 Compact

# NXP i.MX 8M Nano Processor

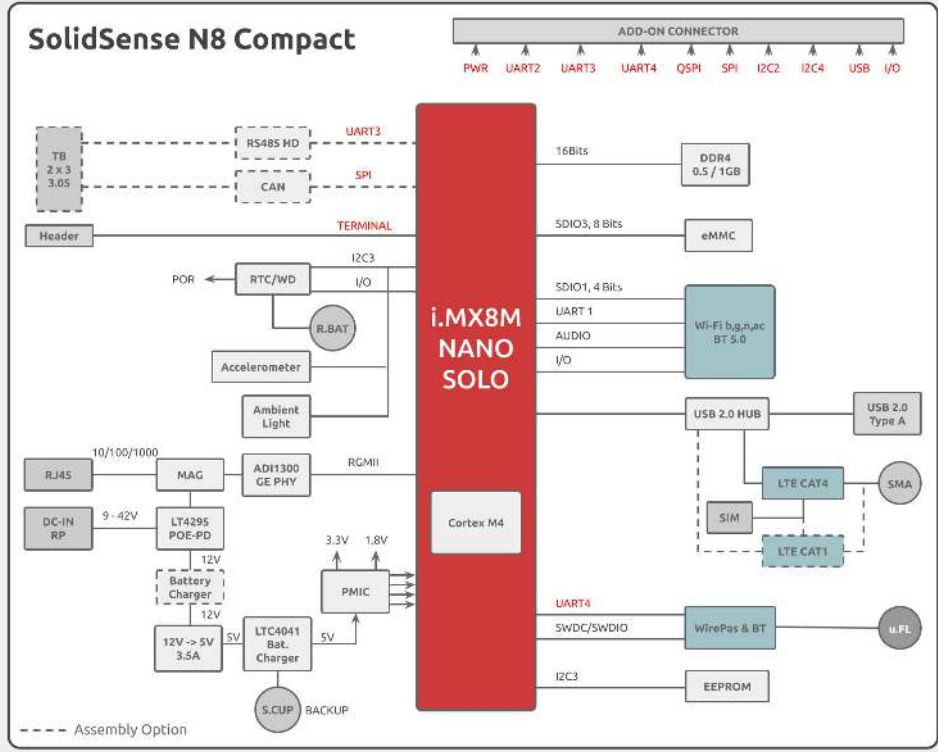
Arm Cortex-A53 cores



- Easy to install and cost competitive IoT gateway
- Customizable Bluetooth, CAN, RS485 industrial connectivity option
- Ethernet, WiFi and cellular networking
- Plastic casing with integrated antennas (WiFi and Bluetooth) DC and PoE power



|   | SolidSense N8 IoT Compact BLE   | SolidSense N8 IoT Compact BLE Extended LTE  |
|---|---|---|
| <b>I/Os</b>                             | 1 x USB 2.0<br>1 x BLE 5.4 (SDR based on nRF52833)                            | 1 x USB 2.0<br>1 x BLE 5.4 (SDR based on nRF52833)<br>1 x RS485<br>1 x CAN (CAN Bus terminated at the SBC)                              |
| <b>Networking</b>                       | 1 x Ethernet RJ45 10/100/1000<br>1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0 | 1 x Ethernet RJ45 10/100/1000<br>1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0<br>1 x LTE Cat 4 Worldwide + GPS (with fallback on 3G/2G) |
| <b>Processor</b>                        | NXP i.MX 8M Nano Arm Cortex A53 Single core @1500MHz + Cortex M7@650MHz       | NXP i.MX 8M Nano Arm Cortex A53 Single core @1500MHz + Cortex M7@650MHz   |
| <b>Memory &amp; Storage</b>             | 1GB DDR4<br>8GB eMMC<br>MicroSD   | 1GB DDR4<br>8GB eMMC<br>MicroSD   |
| <b>Misc.</b>                            | Programmable LEDs<br>Supercap protection<br>RTC w/ battery                    | Programmable LEDs<br>Supercap protection<br>RTC w/ battery  |
| <b>Development and Debug interfaces</b> | Console port (internal)   | Console port (internal)   |
| <b>Power</b>                            | 9V-36V<br>PoE sink  | 9V-36V  |
| <b>Expansion card I/Os</b>              | 1 x internal expansion header   | 1 x internal expansion header   |
| <b>Temperature</b>                      | 0°C to 50°C   | 0°C to 50°C   |
| <b>Dimensions</b>                       | 150 x 85 x 40mm   | 150 x 85 x 40mm   |
| <b>Enclosure</b>                        | Plastic casing with internal antennas for WiFi-Bluetooth/BLE                  | Plastic casing with internal antenna for WiFi-Bluetooth. One SMA port for LTE   |
| <b>Wirepas option</b>                   | Y   | Y   |
| <b>Ordering PN</b>                      | SRG0401.02SD<br>SRG0401.02SW (Wirepas prebuild)                               | SRG0405.02SD<br>SRG0405.02SW (Wirepas prebuild)   |



### Ordering Information

| Available on Shop    |  |
|----------------------|--|
| SKU                  | Description  |
| <b>Contact Sales</b> | SolidSense N8 Compact BLE - Single Core i.MX8 Nono 1.5GHz   1GB RAM   8GB eMMC   Inc. WiFi             |
|                      | SolidSense N8 Compact Wirepas Gateway - Single Core i.MX8 Nono 1.5GHz   1GB RAM   8GB eMMC   Inc. WiFi |
| <b>Buy Now</b>       |  |

• To choose your ideal configuration see our [Product Configurator Tool](#)

| Accessories:            |                           |
|-------------------------|---------------------------|
| SKU                     | Description               |
| <a href="#">PA00013</a> | 12V 1.5A EU Power Adapter |
| <a href="#">MSD016B</a> | Micro SD 16GB             |
| <a href="#">AN00010</a> | LTE Antenna Pulse W5095k  |

For more information about the SolidSense Compact Software/Hardware visit our:

**Developer Center**