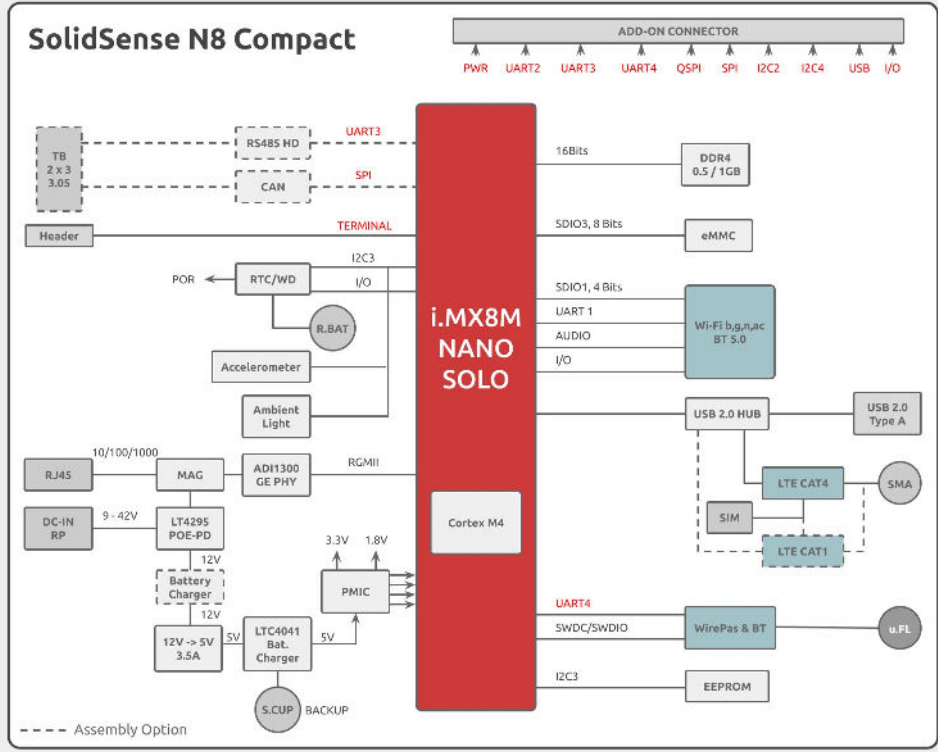# Solidsense N8 Compact   NXP i.MX 8M Nano Processor

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

debian   yocto PROJECT   Kapua   WIREPAS   MENDER   kura

	SolidSense N8 IoT Compact BLE	SolidSense N8 IoT Compact LTE BLE	SolidSense N8 IoT Compact Extended	SolidSense N8 IoT Compact Extended LTE
I/OS	1 x USB 2.0 1 x BLE 5.0 (SDR based on nRF52832)	1 x USB 2.0 1 x BLE 5.0 (SDR based on nRF52832)	1 x RS485 1 x CAN 1 x USB 2.0	1 x RS485 1 x CAN 1 x USB 2.0
Networking	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0 1 x LTE Cat 4 Worldwide + GPS (with fallback on 3G/2G)	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0	1 x Ethernet RJ45 10/100/1000 1 x 802.11 a/b/g/n/ac WiFi and Bluetooth 5.0 1 x LTE Cat 4 Worldwide + GPS (with fallback on 3G/2G)
Processor	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	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
Memory & Storage	1GB DDR4 8GB eMMC MicroSD	1GB DDR4 8GB eMMC MicroSD	1GB DDR4 8GB eMMC MicroSD	1GB DDR4 8GB eMMC MicroSD
Misc.	Programmable LEDs Supercap protection RTC w/ battery	Programmable LEDs Supercap protection RTC w/ battery	Programmable LEDs Supercap protection RTC w/ battery	Programmable LEDs Supercap protection RTC w/ battery
Development and Debug interfaces	Console port (internal)	Console port (internal)	Console port (internal)	Console port (internal)
Power	9V-36V PoE sink	9V-36V	9V-36V PoE sink	9V-36V
Expansion card I/Os	1 x internal expansion header	1 x internal expansion header	1 x internal expansion header	1 x internal expansion header
Temperature	Commercial: 0°C to 50°C	Commercial: 0°C to 50°C	Commercial: 0°C to 50°C	Commercial: 0°C to 50°C
Dimensions	150 x 85 x 40mm	150 x 85 x 40mm	150 x 85 x 40mm	150 x 85 x 40mm
Enclosure	Plastic casing with internal antennas for WiFi-Bluetooth/BLE	Plastic casing with internal antenna for WiFi-Bluetooth. One SMA port for LTE	Plastic casing with internal antennas for WiFi-Bluetooth	Plastic casing with internal antenna for WiFi-Bluetooth. One SMA port for LTE

SolidRun
Embedded Edge Computing

www.solid-run.com

Ordering Information

- **To choose your ideal configuration see our Product Configurator Tool**

Accessories:	
SKU	Description
PA00013	12V 1.5A EU Power Adapter
MSD016B	Micro SD 16GB
AN00010	LTE Antenna Pulse W5095k

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

Developer Center