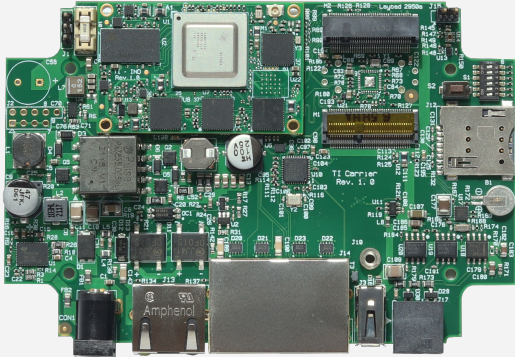


HummingBoard T SBC

Up to 4 x Arm Cortex-A53 cores

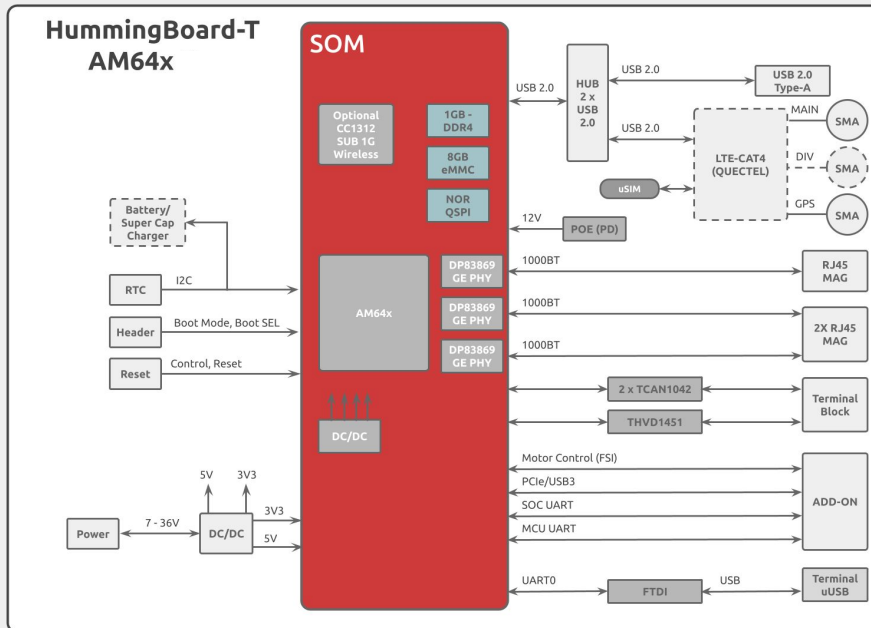


- Best in class real-time and low latency processing for industrial applications
- Support for multi-protocol industrial ethernet using in chip PRU-ICSSG (Programmable Real-time Unit for Gigabit Industrial Communication Subsystem)



HUMMINGBOARD-T AM64X

I/O	1 x USB 2.0 Type A Connector 2 x CAN-FD 2 x RS485
Networking	1 x 10/100/1000 Mbps 2 x 10/100/1000 Mbps (PRU ICSSG, Supporting: TSN, EtherCAT, PROFINET, EtherNET/IP)
Processor	TI Sitara AM6442 F version Arm Cortex A53 Dual core @ 1GHz + 4 x Cortex R5 @ 800MHz + 1 x Cortex M4 @ 400MHz (F stands for industrial protocols support)
Memory & Storage	1GB DDR4 or 2GB DDR4 (Optional) From 8GB eMMC
Misc.	Expansion connector (GPIO, SPI, I2C etc) Indication LEDs User Push Buttons RTC with battery backup Micro USB slot
Development and Debug interfaces	Mini USB port for debug
Power	9V-36V
Expansion card I/Os	2 options for M.2: 5230 size USB3.0 / USB2.0 associated with SIM holder 2230 size PCIe 2.0 or USB2.0 (LTE supported via M.2 5230 slot)
Temperature	Temperature: -40°C to 85°C Heatsink must be mounted on the SoM
Dimensions	150 x 85 x 40 mm
Enclosure	Optional



Ordering Information

Available on Shop	Description
	SOM TI Sitara AM6442 HummingBoard T Inc. Heatsink Universal power adapter SD card

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

Accessories:	
SKU	Description
PA00012	12V 1.5A US Power Adapter
PA00013	12V 1.5A EU Power Adapter
MSD016B	Micro SD 16GB

For more information about the HummingBoard - T Software/Hardware visit our:

Developer Center