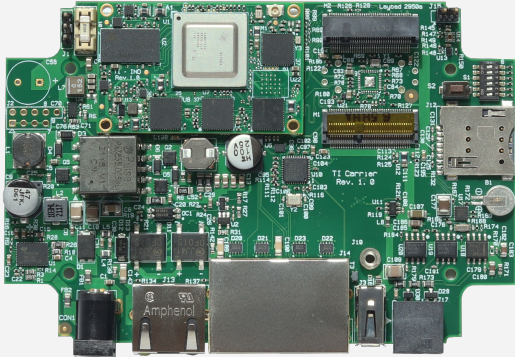


# HummingBoard T SBC

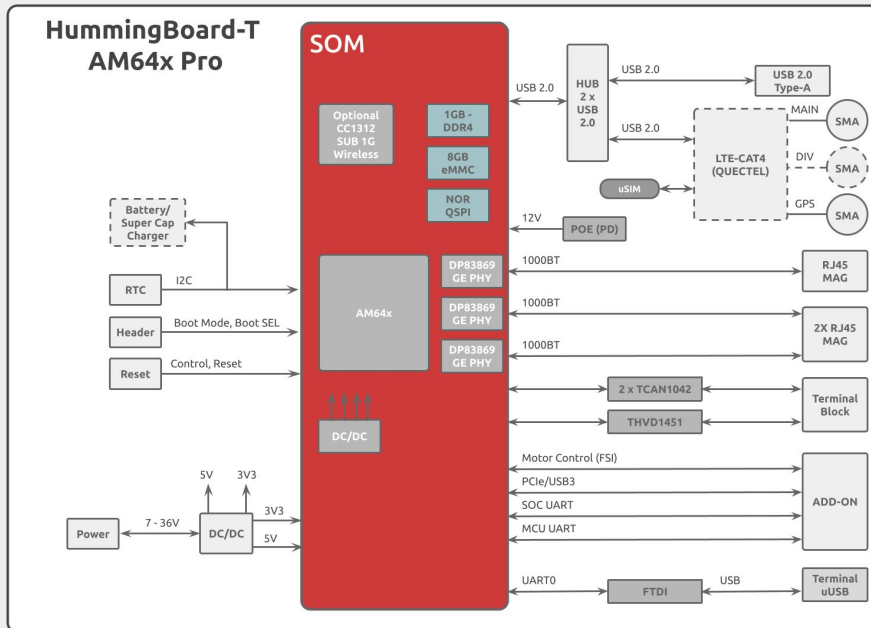
Up to 4 x Arm Cortex-A53 cores



- 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)
- Inline ECC and functional safety capabilities for mission-critical use cases



	HUMMINGBOARD-T AM64X BASE	HUMMINGBOARD-T AM64X PRO
<b>I/O</b>	1 x USB 2.0 2 x CAN-FD 2 x RS485/RS232	1 x USB 2.0 2 x CAN-FD 2 x RS485/RS232
<b>Networking</b>	1 x 10/100/1000 Mbps (PRU ICSSG, Supporting ; TSN, EtherCAT, PROFINET, EtherNET/IP) 1 x Optional Cat 4 LTE with SIM Holder	1 x 10/100/1000 Mbps 2 x 10/100/1000 Mbps (PRU ICSSG, Supporting ; TSN, EtherCAT, PROFINET, EtherNET/IP) 1 x Optional Cat 4 LTE with SIM Holder 1 x CC1312 SimpleLink 1 GHz wireless MCU (Optional)
<b>Processor</b>	TI Sitara AM6424 Arm Cortex A53 Dual core @ 1GHz + 4 x Cortex R5 @ 800MHz + 1 x Cortex M4 @ 400MHz	TI Sitara AM6424 Arm Cortex A53 Dual core @ 1GHz + 4 x Cortex R5 @ 800MHz + 1 x Cortex M4 @ 400MHz
<b>Memory &amp; Storage</b>	1GB DDR4 8GB eMMC	1GB DDR4 8GB eMMC
<b>Misc.</b>	GPIO header Indication LEDs User Push Buttons RTC with battery backup	GPIO header Indication LEDs User Push Buttons RTC with battery backup
<b>Development and Debug interfaces</b>	Console port (internal)	Console port (internal)
<b>Power</b>	9V-36V Optional battery charger	9V-36V Optional 802.3af POE PD Optional battery charger
<b>Expansion card I/Os</b>	M.2	M.2
<b>Temperature</b>	Industrial: -40°C to 85°C	Industrial: -40°C to 85°C
<b>Dimensions</b>	150 x 85 x 40 mm	150 x 85 x 40 mm
<b>Enclosure</b>	Optional	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
<a href="#">PA00012</a>	12V 1.5A US Power Adapter
<a href="#">PA00013</a>	12V 1.5A EU Power Adapter
<a href="#">MSD016B</a>	Micro SD 16GB

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

**Developer Center**