

Nord Technology

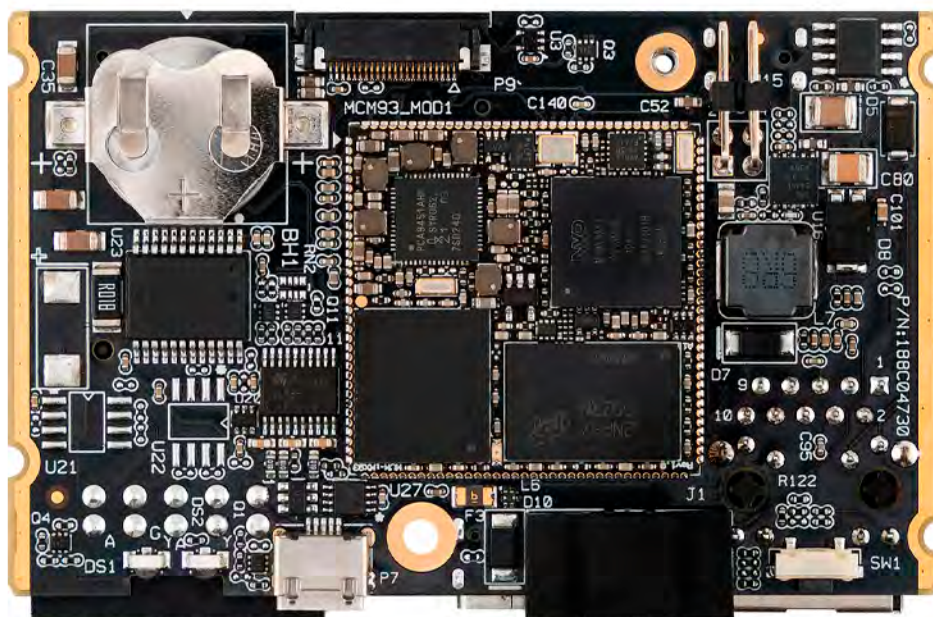
Reseller af Compulab hardware in Denmark

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SBC-IOT-LINK - NXP i.MX93 Single Board Computer



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- "Option" column specifies the configuration code required to have the particular feature.
- "+" means that the feature is always available

CPU, Memory and Storage		
CPU	NXP i.MX9352, dual-core ARM Cortex-A55, 1.7GHz	+
RAM	1GB – 2GB, LPDDR4	D
Storage	16GB – 64GB eMMC flash, soldered on-board	N
Real-Time Co-processor	ARM Cortex-M33, 250Mhz	+
Network		
Cellular Modem	4G/LTE CAT-1 bis cellular module, SIMCOM SIM7672 Worldwide LTE, UMTS/HSPA	JS7672G
	4G/LTE CAT-4 cellular module, Telit LE910 Worldwide LTE, UMTS/HSPA	JT910G
	SIM card socket	+
WiFi and Bluetooth	802.11ax WiFi 6 and Bluetooth 5.4 BLE Implemented with NXP IW611 module 1x RP-SMA antenna connector	WB
Wireless Mesh	Bluetooth mesh, Thread, Zigbee Nordic Semiconductor nRF52840 / Silicon Labs MGM240	WMx
LAN	1x Gbit Ethernet, RJ45 connector	E
I/O		
RS485 CAN bus	Up-to 2x RS485 (2-wire) CAN-FD ports Terminal-block connector	Fxx
Digital I/O	3x digital outputs / inputs 24V compliant with EN 61131-2, terminal-block connector	DIO
USB	1x USB2.0 host port, type-C connector	+
Debug	1x serial console via UART-to-USB bridge, micro-USB connector	+
	NXP SDP programming port, micro-USB connector	+
System		
RTC	Real time clock with on-board coin-cell battery	+
Watchdog	Hardware watchdog	+
Security	Secure boot, implemented with i.MX93 AHAB module	+
	TPM 2.0, Infineon SLB9673	+
Indicators	1x programmable dual-color LED 1x power LED	+
POE	Support for PoE (powered device)	POE
Electrical Specifications		
Supply Voltage	12V-24V DC (-20%/+20%) Reverse voltage protection	
	Power Consumption	
1W - 5W, depending on system load and configuration		
Mechanical Specifications		
Dimensions	80 x 52 x 22 mm	
Heat-plate	Aluminum heat-plate, 50mm x 50mm * only with "H" configuration option	
Weight	75 gram	
Reliability and Environmental		
MTTF	> 200,000 hours	
Warranty	5 years	
Operation Temperature	Commercial: 0° to 60° C Industrial: -40° to 80° C (requires heat-plate)	
Storage Temperature	-40° to 85° C	
Relative Humidity	10% to 90% (operation) 05% to 95% (storage)	