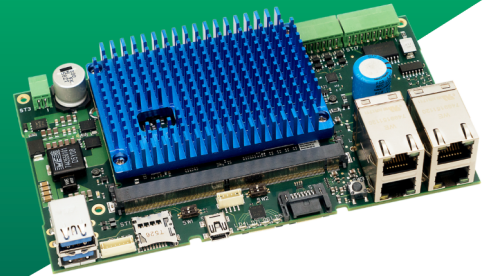


miriac® SBC-T1042

Single Board Computer based on NXP® QorIQ® T1042

- up to 8GB 64-bit DDR4 RAM at 1600MTps, soldered, ECC optional
- hybrid 32-bit mode to support legacy software
- temperature sensor
- All on board supply voltages are monitored by a separate μ -controller

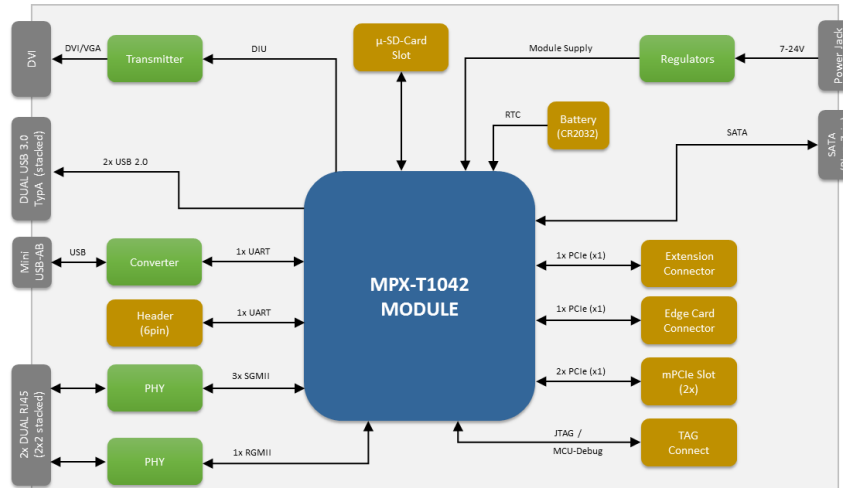


[Home](#) / [Products](#) / [SBC](#) / [Power Architecture](#) / **miriac® SBC-T1042**

The miriac® SBC-T1042 Single Board Computer is a member of a family of NXP® QorIQ® T104x series based complete system solutions by MicroSys. NXP's T1040/20 and T1042/22 CPUs are the midrange class of the more powerful T2081 pin compatible CPU device.



Block Diagrams



CPU

Architecture PowerPC

Processor NXP® QorIQ®T1042

Memory

Flash up to 4GB SLC NAND Flash (soldered)

Flash Card 1x microSD Card slot

EEPROM 16 kB

Graphic

Graphics Controller 12-bit Display Interface

LCD Interface 1x DVI-I

High Speed IO

USB 2.0 2x USB2.0 Host/Client OTG support, 1x USB to UART (debugging)

SATA 1x SATA

Operating Condition

Power Supply Voltage Single +7 - +24 V power input

Temperature 0 °C to 70 °C

Optional Extended Temperature -40 °C to 85 °C

Mechanical

Dimensions b:86 mm, l:156 mm, h:30 mm

Software / Additional

Software Support

- Linux
- Microware OS-9
- others on request

Our standard product versions offer what we consider to be the optimum configuration in terms of performance, price, usage and TDP. The product features lists specify the maximum range of functions per interface. However, not all interfaces or functions are always available in parallel. Flexible SERDES multiplexing is one of the reasons for this. In addition, we provide multiple memory expansion options and are also happy to accommodate specific customer wishes. So do not hesitate to contact us directly to discuss your desired configuration.

Name	Code	Description	Status
miriac® SBC-T1042	854301	miriac® SBC-T1042 Single Board Computer, T1042@1.2GHz SoM, 2GB DDR4 RAM, 512 MB Flash Speicher	active
Development Kit basic for miriac® MPX-T1042	8543	<ul style="list-style-type: none">• miriac® MPX-T1042• CRX05• incl.BSP and accessories	active

Take a look at related products

