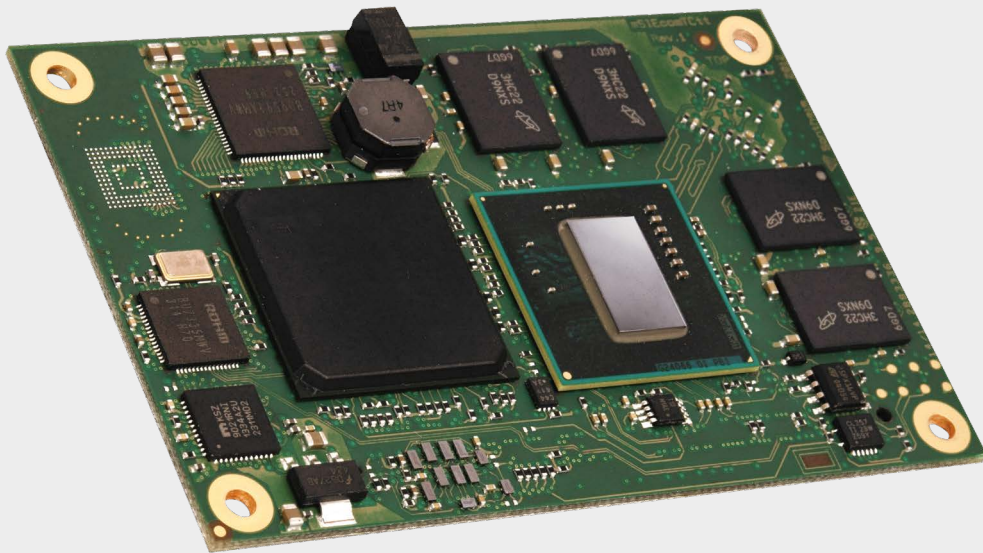
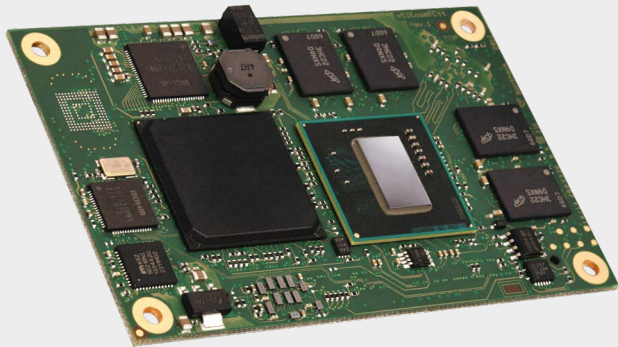


mSiEcomTCtt

Industrial-suited computer-on-module





mSiEcomTCtt

mSiEcomTCtt extends the Sontheim product portfolio with an extremely compact Computer-on-Module. It has an Intel Atom processor and various interfaces. Thanks to the extended temperature range of -40°C to $+85^{\circ}\text{C}$, the module is also ideal for the use in harsh environments.

Key Features



COM Express mini, Type 10



Intel Atom E6xx (600 MHz, 1 GHz, 1.3 GHz and 1.6 GHz)



Onboard 10/100/1000 Mbit LAN



1× CAN interface acc. to ISO 11898



6× USB 2.0



3× PCI Express



Also suitable for harsh environments due to increased temperature range

Variety of interfaces and scalable performance

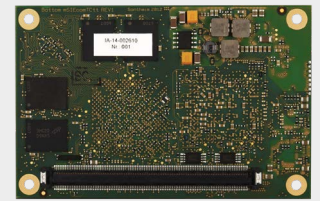
Beside six USB 2.0 interfaces, the mSiEcomTCtt has one CAN channel. Furthermore, Ethernet and also I²C for controlling peripheral components are integrated. The chip sets are ranging currently from 600 MHz up to 1.6 GHz with an Intel Atom. Depending on the requirements up to 2 GB DDR2-800 RAM can be used, thereby also intensive tasks are possible with low power consumption.

Compact form factor

Due to the compact design (COM Express mini, Type 10), the mSiEcomTCtt can be mounted as a piggy-back variant onto another PCB and is ideally suited for the development of small devices, profiting from the high degree of standardization and scalability of the COM Express standard. Especially for mobile embedded hand-held systems as well as for small portable, stationary and in-vehicle devices that are used in various application areas, the mSiEcomTCtt is the perfect solution.

Technical Data

CPU	Intel Atom E6xx (600 MHz, 1 GHz, 1.3 GHz and 1.6 GHz)
Cache	512 KB L2 Cache
Chipset	Intel Platform Controller Hub EG20T
RAM	up to 2 GB DDR2-800 RAM
CAN interface	1x CAN 2.0 B active, up to 1 Mbit/s
USB	6x USB 2.0
Ethernet	10/100/1000 Mbit LAN
Interface	GPIO on COM Express Connector
SPI/SM Bus Support	External Boot via SPI flash device / SM Bus Support yes
PCI Express	3x PCIe
SATA II	2x
UART	1x
Audio controller	Intel® High Definition Audio
Graphic controller	integrated 2D/3D Graphics Engine, Gfx Core 333/400 MHz, shared VRAM Video Encode: MPEG4, H.263, H.264 Video Decode: MPEG2, MPEG4, VC1, WMV9, H.264
Resolution	LVDS 18/24 bit 1280x768 @60 Hz SDVO 1280x1024 @85 Hz
Operating system	Windows XP, XP embedded, 7, embedded 7, Linux
Dimensions (l×w)	55 mm × 84 mm, COM Express mini, Type 10
Storage temperature	−30 °C up to +85 °C, extended −40 °C up to +85 °C
Operating temperature	0 °C up to +60 °C, extended −40 °C up to +85 °C
Rel. humidity	Operating: 10 % up to 90 %, Storage: 5 % up to 95 % non-condensing
Power supply	5.2–5.8 Watt @5 V



Designed for commercial and industrial temperature range

In addition to the normal temperature range the module is also suitable for the extended industrial temperature range (E2) from −40 °C to +85 °C. This opens a wide range of applications in the automotive-, automation-, medical technology, and in other work environments which are not matching the commercial temperature range.

mSiEcomTCtt and our embedded PC – a reliable combination

You are looking for the appropriate embedded platform for your automation application. Combine mSiEcomTCtt with our ePC and benefit from our know-how and the full service from the expert

- Variety of interfaces (modular design)
- IP20 metal housing for a high EMC protection
- Use as a PLC, CAN bus master or slave, signal processing center and much more.
- Suitable for industrial use
- Passive cooling

Order information

V970005000

mSiEcomTCtt



Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

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