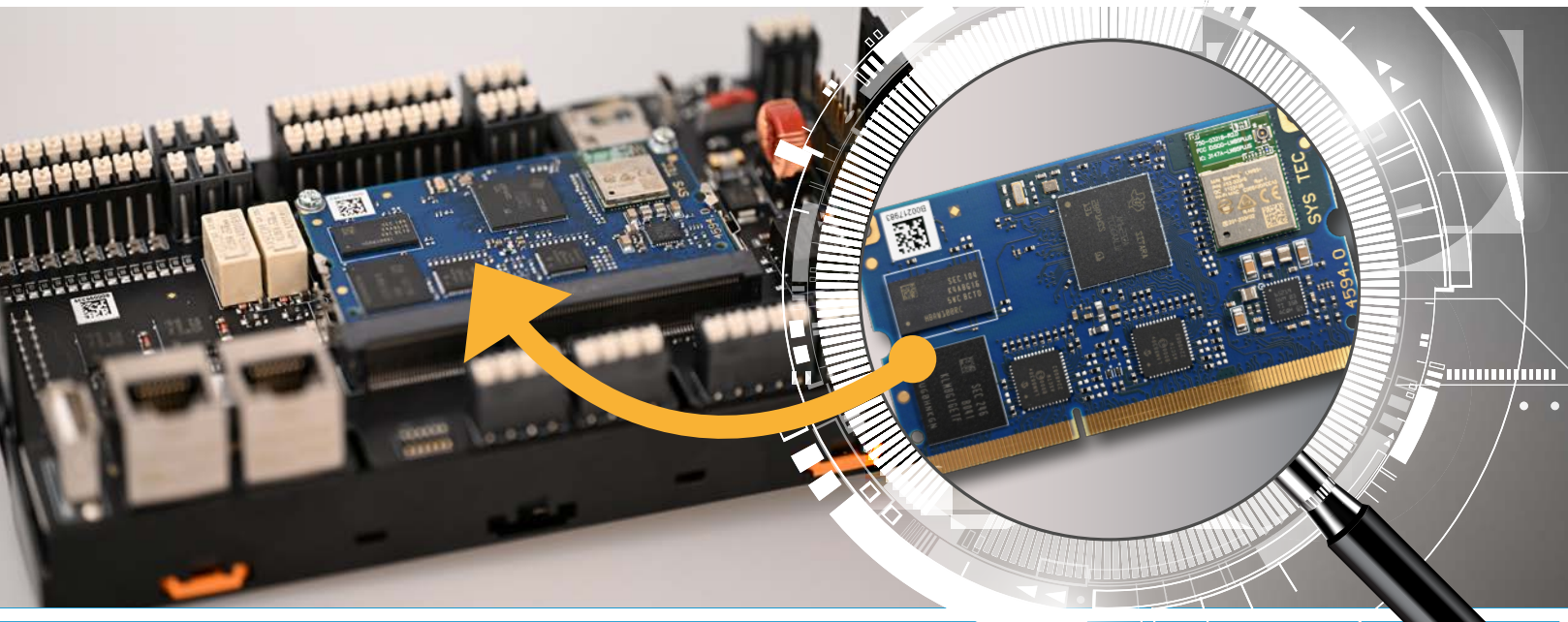




sysWORXX ECUcore-AM62x



TESTED, RELIABLE & VERSATILE

Our sysWORXX ECUcore-AM62x is a tested and modern technology platform that can be cost-effectively adapted to your individual requirements and applications.



SCALABILITY

Single-, Dual- &
Quad-Core
Optional 3D GPU



STATE OF THE ART

64 Bit Cortex™-A53
Linux Yocto BSP
Debian GNU/Linux



DESIGN PLATFORM

Cost-efficient &
individual designs



OBSOLESCENCE MANAGEMENT

Long-term availability
Product maintenance



TIME-TO-MARKET

Rapid Engineering &
Development

We elevate the performance of your embedded systems to a new level.



STANDARD

NUMBER OF PIECES
1 - 100

- ▶ Proof-of-concept
- ▶ Small series
- ▶ Usable in sysWORXX-CTR
- ▶ Individual project prices

CUSTOMISED

NUMBER OF PIECES
101 - 500

- ▶ Development of your individual base board
- ▶ Cost-optimised individual solution

INDIVIDUAL

NUMBER OF PIECES
from 501

- ▶ Your individual design
- ▶ Design-in-solution
- ▶ Design-to-cost
- ▶ You become Design Owner!

MODULE FEATURES

Core	
CPU	TI Sitara™ AM623 (Dual-Core Cortex™-A53 @ 1.4 GHz)
Real-time Co-Pro	Cortex™-M4 @ 400 MHz
RAM	1 GiB DDR4 (max. 2 GiB)
eMMC	8 GiB
RTC	on-board
Boot Mode	SD Card / eMMC
I/O interfaces	
SPI	2
I ² C	1
GPIO	41
A/B Encoder / Highspeed Counter	1
PWM	2
Analogue inputs	4 (12Bit, optional 16Bit)

Connectivity	
ETH	2x 1 Gigabit Ethernet
WiFi	802.11 a/b/g/n/ac
Bluetooth	5.2
CAN	2 (CAN-FD)
SIO	4 (2 of them with RTS/CTS Hardware handshake)
USB	1 Host (USB 2.0 high-speed), 1 Device (USB 2.0 high-speed)
Display	1 OLDI (Open LVDS Display Interface)
SD Card	1
SoM plug-in connector on base board	DIMM socket with 204 pins

Software
<ul style="list-style-type: none"> • Linux-based SoM • Open software architecture with full flexibility • Programmable in C/C++, Rust, Python, etc. • Support of low-code programming environment Node-RED • optional PLC programming in accordance with IEC 61131-3
Services
<ul style="list-style-type: none"> • Customer-specific application development • Software consulting • Individual User workshops • Linux driver development for individual boards

We are here for you – Contact us!

Our friendly staff will be happy to help you:

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