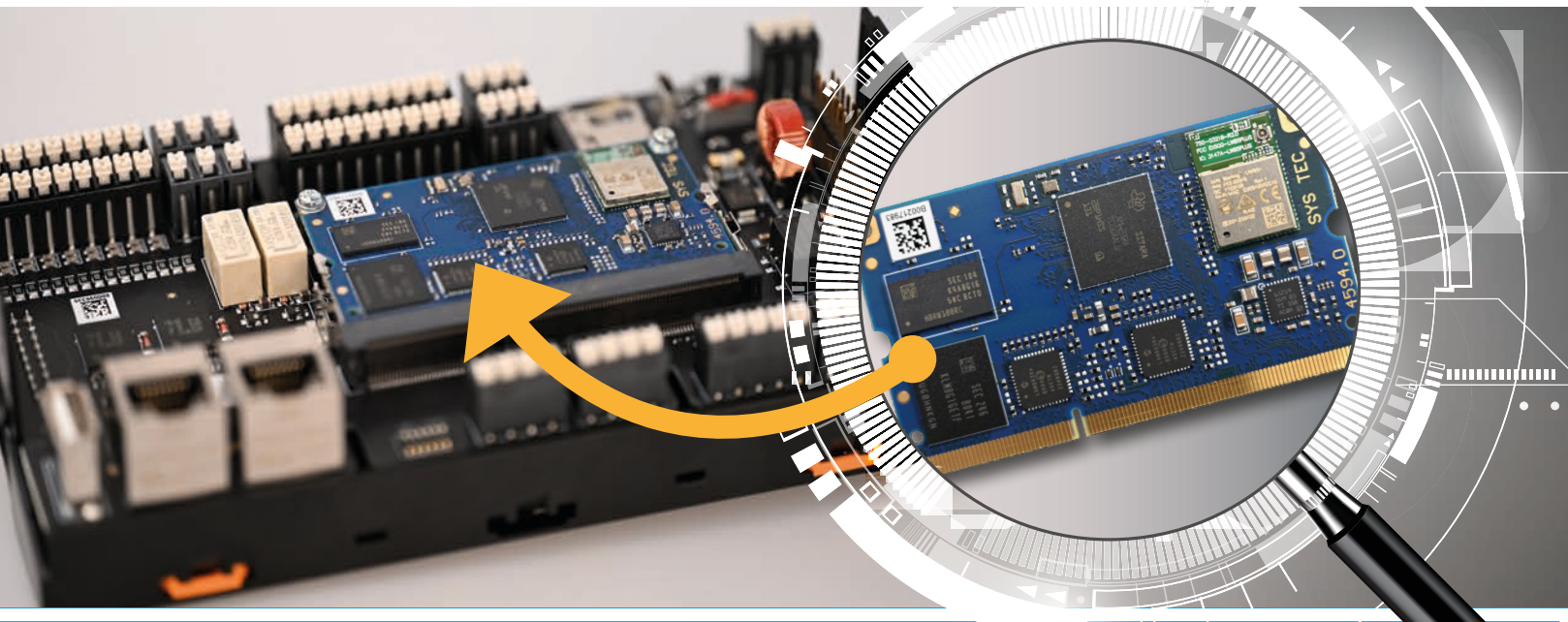




## sysWORXX ECUcore-AM62x



### 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.



## MODULE FEATURES

Core		Connectivity		Software	
CPU	TI Sitara™ AM623 (Dual-Core Cortex™-A53 @ 1.4 GHz)	ETH	2x 1 Gigabit Ethernet	<ul style="list-style-type: none"> <li>• Linux-based SoM</li> <li>• Open software architecture with full flexibility</li> <li>• Programmable in C/C++, Rust, Python, etc.</li> <li>• Support of low-code programming environment <b>Node-RED</b></li> <li>• optional PLC programming in accordance with <b>IEC 61131-3</b></li> </ul>	
Real-time Co-Pro	Cortex™-M4 @ 400 MHz	WiFi	802.11 a/b/g/n/ac		
RAM	1 GiB DDR4 (max. 8GiB)	Bluetooth	5.2		
eMMC	8 GiB	CAN	2 (CAN-FD)		
RTC	on-board	SIO	4 (2 of them with RTS/CTS Hardware handshake)		
Boot Mode	SD Card / eMMC	USB	1 Host (USB 2.0 high-speed), 1 Device (USB 2.0 high-speed)		
I/O interfaces		Display	1 OLDI (Open LVDS Display Interface)		
SPI	2	SD Card	1		
I <sup>2</sup> C	1	SoM plug-in connector on base board	DIMM socket with 204 pins		
GPIO	41				
A/B Encoder / Highspeed Counter	1				
PWM	2				
Analogue inputs	4 (12Bit, optional 16Bit)				
		Services		<ul style="list-style-type: none"> <li>• Customer-specific application development</li> <li>• Software consulting</li> <li>• Individual User workshops</li> <li>• Linux driver development for individual boards</li> </ul>	

**We are here for you – Contact us!**

Our friendly staff will be happy to help you:

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