Smart metering

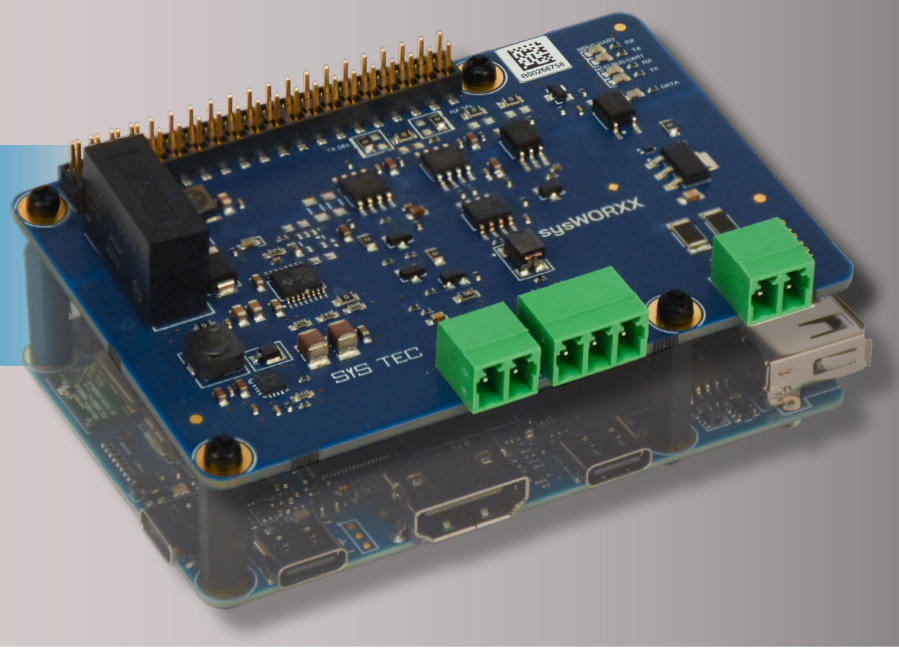
sysWORXX Pi-AM62x

SYS TEC ELECTRONIC

sysWORXX Pi HAT Smart Metering

Smart meter interfaces
for Modbus, M-Bus Master & S0

Effortless testing and prototype development



RECORD CONSUMPTION VALUES EASILY WITH YOUR LINUX SYSTEM!

Whether building automation, energy management or Industry 4.0 - with our evaluation platform based on the sysWORXX Pi-based evaluation platform, you can develop and test your own **Modbus, M-Bus and S0 solutions**.

YOUR BENEFITS

PROOF-OF-CONCEPT

Test your application development **under authentic operating conditions.**

MINIMISATION OF THE TIME-TO-MARKET

Faster time to market thanks to **agile development**

www.systec-electronic.com

Flexible, cost-effective, future-proof:
That's why this platform is ideal for your development

Quick start
without major investments

Low-cost hardware, immediately ready to use - perfect for proof-of-concepts and early development phases.

Modbus, M-Bus Master and S0 integrated

Access counters, sensors and control systems directly - without complicated additional hardware.

Scaleable & expandable

Implement your ideas on the sysWORXX Pi - with support for additional HATs, peripheral devices and cloud connections.

Open sytem
for maximum freedom

Use Python, Node-RED, C/C++ or other frameworks to program your individual solution.

Real data
praxisnahe Tests

Evaluate your concepts under real conditions before you go into series development.

SYS TEC electronic accompanies you beyond the evaluation phase!
We support you with our many years of experience in industrial control technology and develop the final control system design for you, optimized for series production. On request, we can also handle the production of your series devices - all from a single source. **Start your own Modbus, M-Bus and S0 development - we will support you all the way to market maturity!**

MODULE FEATURES

Interface	Parameter	Value
Modbus RTU	Type	Master
	Bit rate	1200-9600 Bit/s
	Isolation	Yes
	User Interface	RX status LED TX status LED
	Host Interface	UART
M-Bus	Type	M-Bus Master
	Bit rate	300-9600 Bit/s
	Voltage	34V Voltage generated internally
	Isolation	Yes

Interface	Parameter	Value
M-Bus	User Interface	RX status LED TX status LED
	Number of slaves	6
	Host Interface	UART
S0	Type	Master
	Voltage	27V Voltage generated internally
	Isolation	Yes
	User Interface	LED; Pulse Input
	Max. power	11,3 mA
	Host Interface	Interrupt Input, Counter Input

Feature	Interface	Pin	Raspberry Pi	sysWORXX Pi
M-Bus	UART	8, 10	✓	✓
Modbus	UART	3, 5	-	✓
S0	GPIO	32	✓ (GPIO)	✓ (HW Counter)

We are here for you – Contact us!
Our friendly staff will be happy to help you.

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