

# eSys-SVC4

Robust and high performance ASIL-C ECU



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eSys-SVC4 is a powerful electronic control unit for safety-related applications up to ASIL-C. A rugged construction and a wide range of applications facilitate an optimal use in mobile machines. For this, four CAN, an optional LIN interface and up to 78 inputs and outputs with various diagnostic features are available.

## Key Features

- ASIL-C

Scalable safety controllers up to ASIL-C (acc. to ISO 26262)
- 32 bit

High performance 32-bit Dual-Core Microcontroller
- CAN

4x CAN interface acc. to ISO 11898
- lin

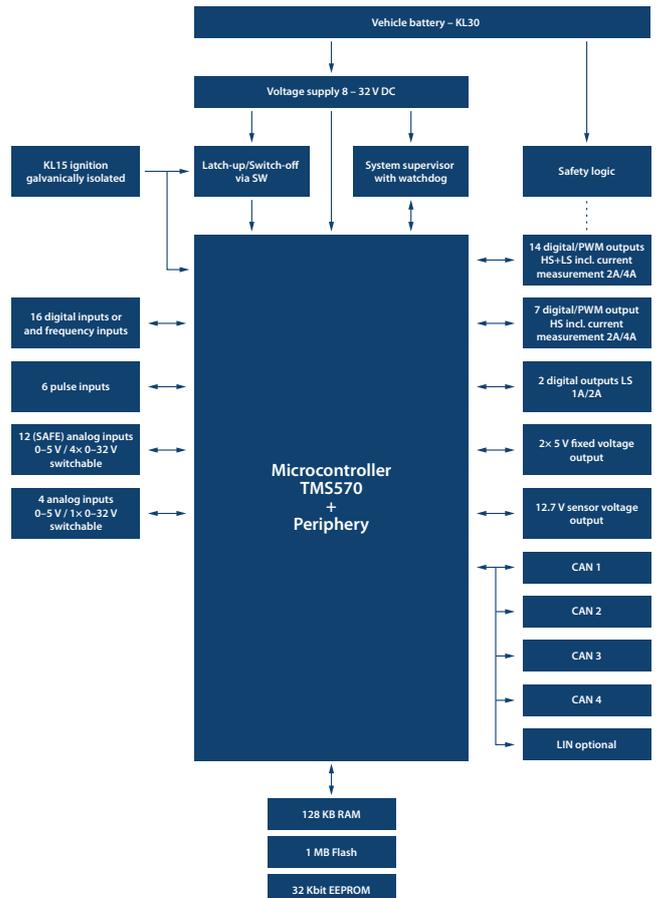
1x LIN optional
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Number of IOs: 38 inputs, 40 outputs
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AUTOSAR compliant
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Robust aluminium housing with automotive connectors

## Block Diagram



## Technical Data

### CPU

CPU	32-bit microcontroller dual-core, 160 MHz
RAM	128 kB internal
Memory	1 MB internal

### Interfaces & Inputs/Outputs

CAN	4× CAN interface accord. to ISO 11898 and CAN 2.0 B
LIN	1× optional
Analog inputs, Pulldown 0–5 V and 0–32 V	16× (12× SAFE); 0–5 V and 0–32 V
Digital inputs or RPM inputs	16× (1× SAFE)
Pulse inputs	6×
PWM/HSS/LSS outputs	14× current range highside 0 to 4.0 A, pulse frequency 0; 50 to 500 Hz 14× current range lowside 0 bis 4.0 A
Digital power amplifier	7× current range highside, max. 4.0 A 2× current range lowside, max. 2.0 A
Fixed voltage output	2× 5 V, stabilized supply voltage, short-circuit proof
Sensor voltage output	1× 12.7 V (optional)

### Housing

Plug	154-pin connector
Housing	IP68 (opt. IP6K9K), die-cast aluminium
Dimensions (l×w×h)	approx. 229 mm × 228 mm × 34 mm
Operating temperature	–40 °C to +85 °C housing temperature
Storage temperature	–40 °C to +90 °C housing temperature

### Supply Voltage

Supply voltage	8–32 V (12 V or 24 V board version)
Power consumption	Quiescent current approx. 3 mA at 28.5 V, total current up to 80 A





**Mobile Automation**



**Industrial Automation**



**Diagnostics**



**Connectivity**

**We are looking forward to your enquiry!**

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