

## QR5567 RAPID PROTOTYPING PLATFORM

The QR5567 rapid prototyping platform offers a complete solution ready for rapid-prototyping, pre-series units and low-volume production.

By featuring a NXP MPC5567 processor module QR5567 makes it easy to add and evaluate new functionality.

The platform enables you to instantly start developing on production intent design, consequently shortening time to market and minimizing project risks.

### Key Features

- Designed for automotive and industrial applications
- High quality prototypes and pre-series units from start
- Comprehensive communication and I/O support
- Seamless migration from prototype to production hardware

### Application areas

- Driver assistance system
- Body and chassis control
- Central electronic module
- Electric power steering

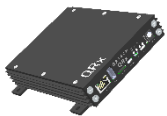
### Technical data

System	NXP MPC5567 PowerPC e200z6 132MHz, 2MB Flash & 80KB SRAM
Software	REDBOOT bootloader (incl. SWDL tool) AUTOSAR 4.1.0 from ARCCORE
Standard interface	1 x Ethernet (10/100 Mbit/sec) 1 x USB Micro (USB to serial port) 1 x SD-card micro 1 x Status LED
Automotive interface	4 x Dual Wire CAN 2 x LIN (master/slave) 4 x Analog input, 10bit, 0V – 10V 4 x Analog input, 10bit, 0V – 30V 4 x Low digital output (1A, PWM) 4 x High digital output (1A, PWM)
Sensor peripherals	2 x 5V@50mA supply (switchable) 2 x DAC 0V ... 10V @ 10mA
Electrical interface	1 x 30pin JAE IL-AG5-30P-D3L2 1 x 22pin JAE IL-AG5-22P-D3L2
Operating conditions	Nominal power supply: 9V – 36V Nominal consumption: 200mA@12V
Environmental conditions	Temperature: -40°C ... 85°C Humidity: 0% ... 95% (no condensing) Enclosure protection: IP5K2
Standards	CE, ISO 16750, ISO 7637, RoHS, WEEE
Mechanical	Dimensions: 170mm x 105mm x 20mm Weight: 350g

\* Technical data depends strongly on CPU module functionality.



### Related QRTECH products



QRx scalable  
automotive platform



Automotive  
gateway ECU

