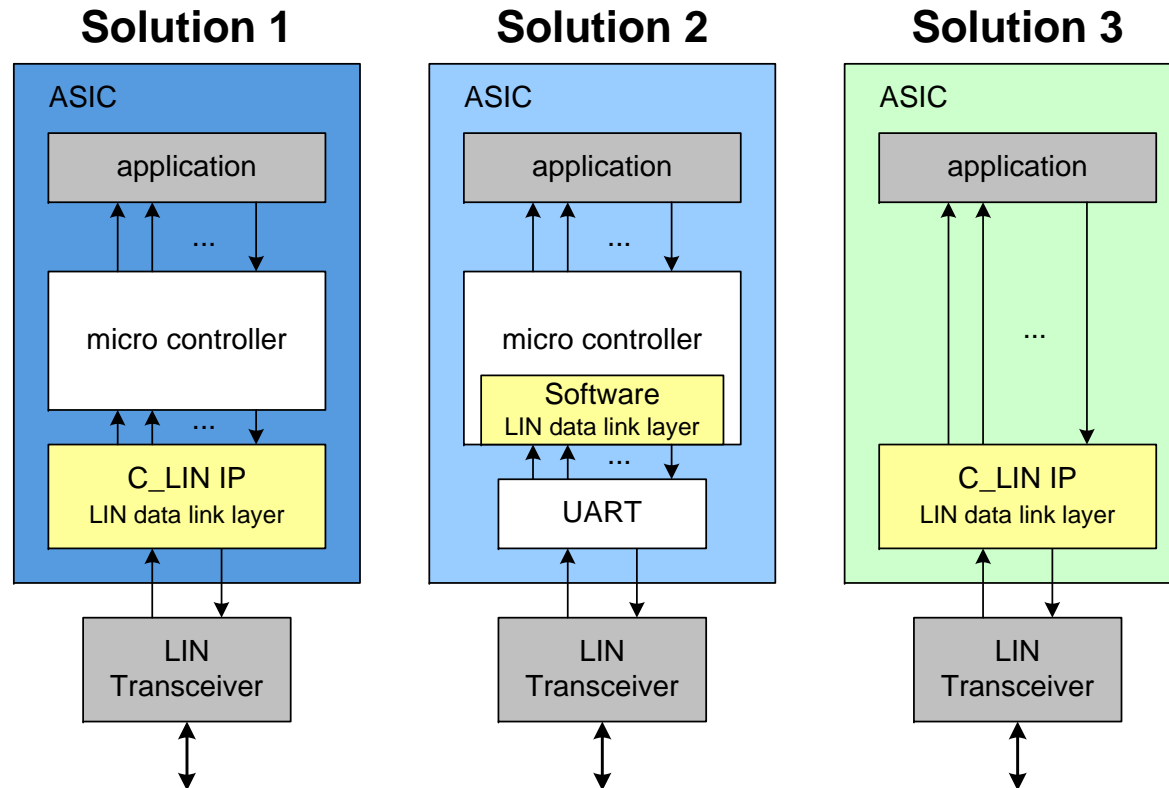





C_LIN intellectual property

Solutions



C_LIN intellectual property

Solutions

- Solution 1 
 - most expensive solution (μ C + C_LIN)
 - but thinkable if micro controller not able to support all jobs incl. LIN data link layer
 - bridge between C_LIN IP and μ C needed (message handler with μ C interface; not part of C_LIN IP; responsibility of customer)
- Solution 2 
 - target solution of LIN idea (master/slave)
 - LIN data link layer done by software
- Solution 3 
 - most compact and cost efficient solution
 - solution without micro controller (slave only)
 - C_LIN IP directly connected to application

C_LIN intellectual property

Solution 3 – Example: air condition circuit

- Inputs (temperature sensor and flap status) directly connected to transmit message buffers
- Outputs of the receive message buffers directly connected to power amplifiers for actuators
- No message handler

