

TwinCAN Overview: node features

Node features

- CAN functionality according to CAN specification V2.0 B active.
- Dedicated control registers are provided for each CAN node.
- A data transfer rate up to 1MBaud is supported.
- Flexible and powerful message transfer control and error handling capabilities are implemented.
- Up to eight individually programmable interrupt nodes can be used.
- CAN Analyzer Mode for bus monitoring is implemented.



TwinCAN overview: Message Object features

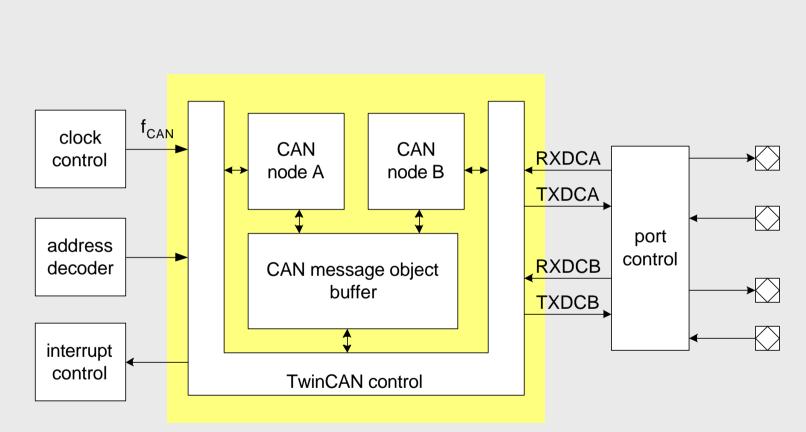
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Full-CAN functionality: 32 message objects can be individually

- assigned to one of the two CAN nodes,
- configured as transmit or receive object,
- participate in a 2,4,8,16 or 32 message buffer with FIFO algorithm,
- setup to handle frames with 11 bit or 29 bit identifiers,
- provided with programmable acceptance mask register for filtering,
- monitored via a frame counter,
- configured to Remote Monitoring Mode.



Schematics TwinCAN



XC16x peripherals