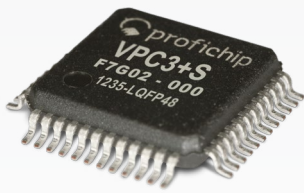


# PROFIBUS DP Slave Controller with serial Interface

## VPC3+S

small and the smallest of them all

available in  
two sizes



- SPI, I<sup>2</sup>C, parallel-interface
- 4 kByte communication RAM
- Function and software compatible with VPC3+C and SPC3 from Siemens
- Supports PROFIBUS DP-V0, DP-V1 & DP-V2 protocols
- HW-PLL for DP-V2 - ISOM
- Ultra Low Power, Vcc 3.3V
- Software stack and Evaluation-kit
- BGA48 / LQFP48 package or proficonn-module

**PROFI**<sup>®</sup>  
**BUS**

# PROFIBUS miniaturization

## Description

profichip's VPC3+S is a communication chip with an 8 bit parallel, SPI or I<sup>2</sup>C microprocessor interface for intelligent PROFIBUS slave applications.

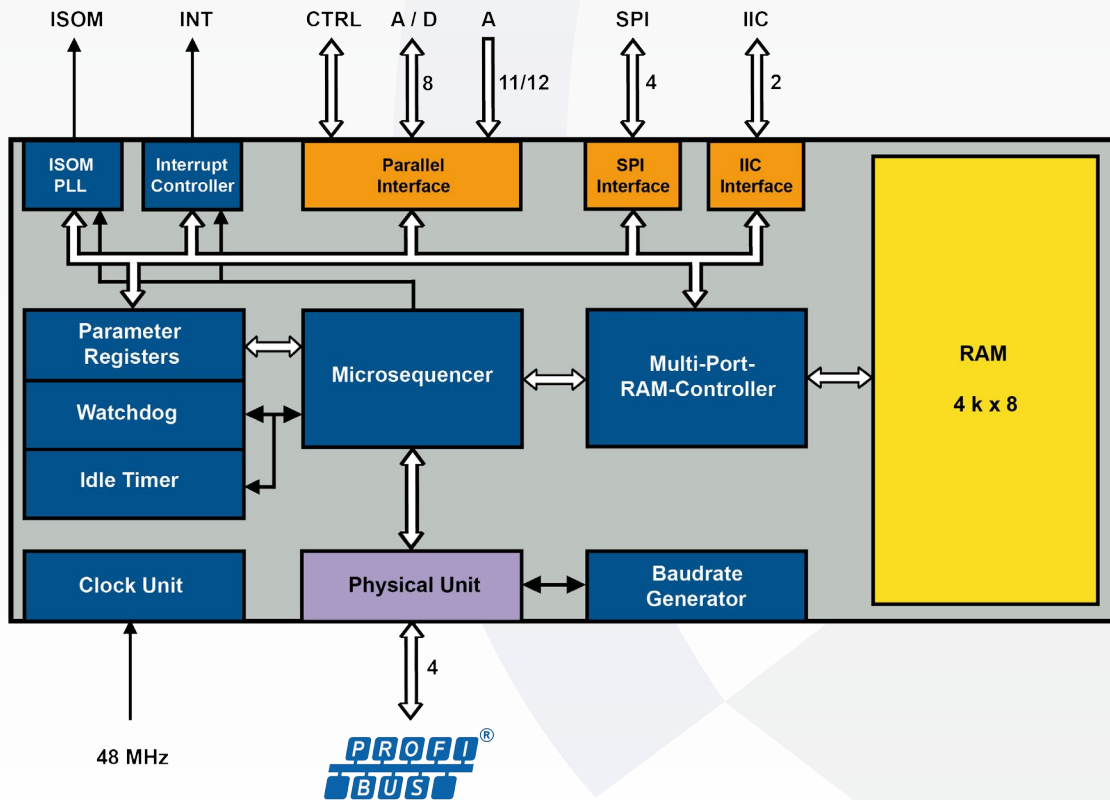
## Operation

The VPC3+S handles the message and address identification, checks the data security sequences and protocol processes for PROFIBUS DP. It supports as well acyclic communication and

alarm messages, described in the DP-V1 extension. Features described in DP-V2 extension, as slave-to-slave communication Data eXchange Broadcast (DXB), clock synchronization and the Isochronous-Mode (IsoM), are also provided.

## Data transmission

Automatic baudrate recognition and support of data transmission rates up to 12 Mbit/s, the complete PROFIBUS DP protocol integration, 4 kByte communication RAM and flexible processor interfaces are features to create state-of-the-art PROFIBUS slave applications.



suited for



48 MHz



## Any Questions? Give us a call



We like to support you. Profichip is not only a technology leader in industrial fieldbus communication but also one of the big suppliers in system consulting.

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