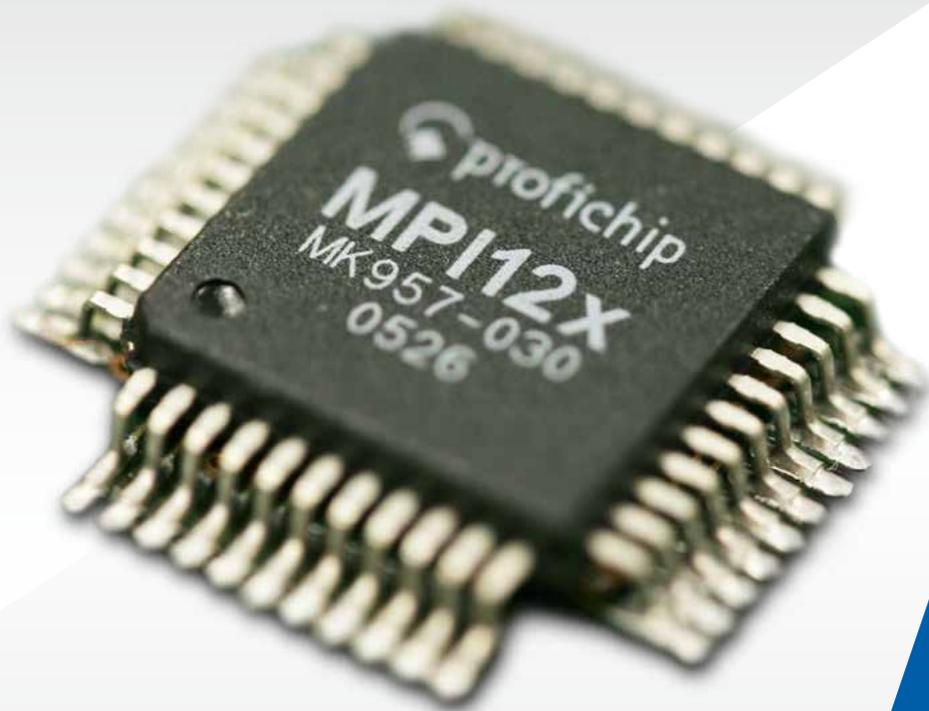


YASKAWA

profichip[®] MPI12x

Multi Point Interface Controller



Main Features

- MPI communication at up to 12Mbit/s, incl. token and low-level PB handling
- Additional PROFIBUS® DP slave core (VPC3+C compatible)
- 4 kB integrated SRAM
- Configurable 8-bit µcontroller interface
- 3.3 V single supply voltage / 5 V tolerant inputs
- Evaluation kit available
- Software stack
- Package PQFP44 (RoHS compliant)



Advanced controller with MPI to access information of your PROFIBUS DP master without the need of a second PROFIBUS DP master

Description

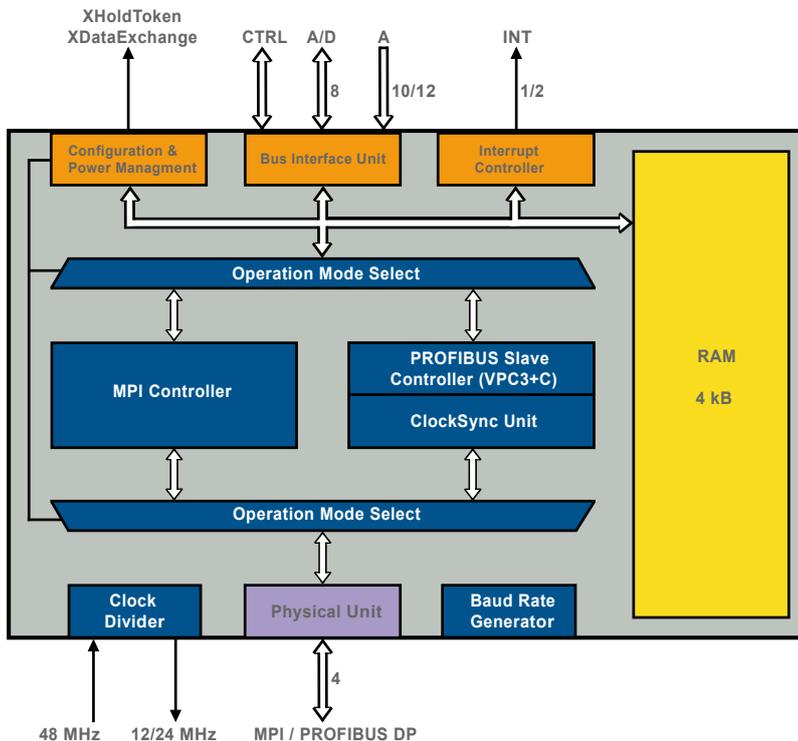
The profichip MPI12x is a combined communication ASIC with an 8-bit microprocessor interface, for MPI and PROFIBUS DP slave applications.

Operation

The MPI12x handles the message and address identification, the data security sequences and the protocol processing for PROFIBUS, the underlying transport protocol. Token handling, error detection and data pre-processing are carried out automatically, relieving the host processor of all time-critical and time-consuming calculation tasks.

Data Transmission

The support of data transmission rates up to 12 Mbit/s, the hardware integrated PROFIBUS protocol, the 4 kbyte communication RAM and the configurable microprocessor interface are features to create high-performance MPI applications. Also integrated is the well-known VPC3 series PROFIBUS DP Slave core (DP-V2 service, clock synchronisation).



YASKAWA Europe GmbH

Ohmstr. 4
91074 Herzogenaurach
Germany

+49 9132 744-200
sales.profichip@yaskawa.eu.com
www.profichip.com

11/2019