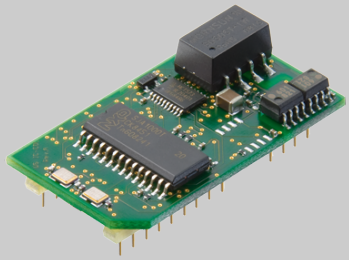
UNIGATE® IC

Ready-to-install embedded solution

32 DIL
Norm compliant
Certified
Programmable

Designed & manufactured in Germany



Data sheet

Complete CANopen-Slave interface

CANopen master functionallity

CAN layer 2 (11bit and 29bit identifier)

10 kbit/s until 1 Mbit/s

CANopen version 4.02 supported

Isolated CANopen interface

Up to 32 TPDO and 32 RPDO

Up to 255 Bytes input- and 255 Byte output data

UART up to 625 kBaud

Technical data

Dimensions (WxDxH in mm)	45 x 25 x 13
Voltage supply	5V; 3,3V
Housing	32 DIL
Weight	approx. 10 g
Current consumption	Typ. 270mA
Operating temperature	Industrial temperature range -40°C up to +85°C
Storage-/Transport temperature	-40°C ... +125°C
Fieldbus Functions	All specified CANopen Slave functions
Interfaces	2x UART, 1x SPI/Syn. serial
Technology	SJA 1000
Certificates	CANopenV4 (precertified)

Comparison Chart - UNIGATE IC-CANopen variants

Performance characteristics	UNIGATE IC-C4	UNIGATE IC-C4X
Rx-PDO	16	32
Tx-PDO	16	32
Tx-PDOs with same object	2	8
Additional supported objects	not supported	1002H / 1004H / 1010H / 1011H / 1201H
SDO	1 (server)	2 (server), 2 (client)

Order data

Order designation	Description	Order number
UNIGATE IC-C4-5V	All-In-One Single-Chip Interface for CANopen, version 5V	V3491
UNIGATE IC-C4-3,3V	All-In-One Single-Chip Interface for CANopen, version 3,3V	V4346
UNIGATE IC-C4X-5V	All-In-One Single-Chip Interface for CANopen 4X, version 5V	V3786
UNIGATE IC-C4X-3,3V	All-In-One Single-Chip Interface for CANopen 4X, version 3,3V	V3758