



The compact communicator PC3340-IE is part of the PC3300 series in the OIS-P family. It is designed and built for continuous operation in the automotive industry where rapid data transfer and a high degree of reliability are required.

The communication range is 0 – 2 m. The communicator reads and programs data tags in the PC3004 and PC3005 series and all data tags in the PC3100 and PC3400 series. A mixed use is possible.

The unit comprises the protocol for Industrial Ethernet (IE) according to RFC1006 (ISO on TCP). The communicator set-up, status and error message monitoring can also be performed via the IE interface. Furthermore the system offers powerful macro commands that embody typical Eurox command sequences.

All the electronics, including the processor, the antenna and the Industrial Ethernet host interface, are built into a casing. This saves space and facilitates installation. The connection to an SDM3340-SEG (service diagnostic module) is also already fitted. An integrated file system enables easy and fast data access. The digital IOs can be read and set from the host system.

Communication with data tags occurs via a microwave link in the international standard frequency range of 2.45 GHz. The exact frequency channel can be set through the software. Emitted microwave power from the OIS-P system is well under the thresholds specified by the health and telecommunication authorities from all over the world.

- OIS-P communicator with integrated antenna
- Industrial Ethernet (ISO on TCP acc. to RFC 1006)
- Read-/write range: 0 – 2 m
- Software adjustable frequency, 8 channels
- LEDs for function and status display in the unit
- Reading and writing of PC3000, PC3100 and PC3400 series data tags in mixed use

## About the OIS-P Auto-ID System in General

### Communication Range

Using appropriate antennas this data tag provides a communication range of up to 10 m, as well as an excellent reading and writing capability with fast moving objects.

### Long Battery Lifetime

The OIS-P technology maximizes the battery lifetime. The data tag is of a semi-active type, normally held in a passive state. Battery lifetime typically exceeds 5 years.

### Data Tags for Every Use

A variety of data tags are available for various applications with memory sizes of up to 32 Kbytes. They differ in read/write range, memory sizes and housing designs.

### Fast Data Transfer Rate Unlimited Memory Life

The RAM memory design allows an unlimited number of read-write cycles while enabling high data transmission rates. This also gives the opportunity for identification of fast moving objects. The user data is backed up by a lithium battery.

### Connection Guaranteed

The central units and compact communicators are off-the-shelf available with several interfaces like Profibus and Ethernet. Other interfaces are available on request.

### Heat-Resistant Data Tags

Heat-resistant data tags are applicable for temperatures up to 235 °C cyclic.

## IDENDEC SOLUTIONS

IDENDEC SOLUTIONS is a leading global supplier of innovative RFID systems (Radio Frequency Identification) with communication ranges of up to 100 m. With its unique Intelligent Long Range® (ILR®) technology, IDENDEC SOLUTIONS offers innovative and economical solutions for automated data gathering, identification, tracking and localization of objects.

ILR® technology makes it possible to ensure that

- the right goods,
- in the right amounts,
- in the right condition,
- with the right information
- are located at the right place
- at the right time,

leading to increased efficiency and quality improvements in Production, Logistics and Supply Chain Management.

To learn more about how ILR® technology can increase efficiency of your business, contact IDENDEC SOLUTIONS or visit our website at [www.identecsolutions.com](http://www.identecsolutions.com).

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**WARNING:**  
Changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment.

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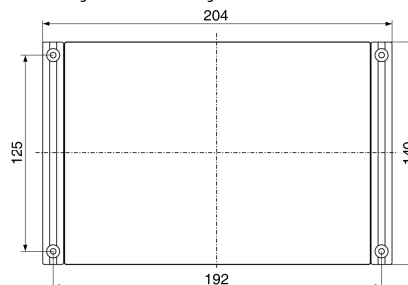
## Technical Data

### Operation Data

Compatibility	Compatible with data tags in the PC3004 and PC3005 series (e.g. PC3004/18B, 22A, PC3005/21C & F, 48B). Compatible with all data tags in the PC3100 series (e.g. PC3103/01, PC3104/22A, 32A, 33, PC3105/00E & F). Compatible with all data tags in the PC3400 series
Status information	Status information is available via the service terminal, the SDM3340-SEG and the front panel LEDs. Furthermore they can be read from the host computer.
Communication range:	0 – 2 m
Emitted radiation	max. 10 mW EIRP
Frequency	2.43 ... 2.46 GHz, 16 software configurable channels
Communication speed (Antenna to data tag)	depending on the type of tag less than 150 ms
Protocol to Host/PLC	EUROX42/43 with additional macro commands converted to Industrial Ethernet (IE) according to RFC1006 (ISO on TCP) e.g. for an S7 PLC using the CP 443 communication processor.
Order Code	133 537

### Mechanical data

Casing	Aluminum, light grey, with plastic cover
Weight	1.5 kg
Dimensions	204 × 140 × 85 mm (W × H × D)
Drilling scheme,	lateral mounting flanges for 4 screws M4, semi-symmetrical,
Mounting proposal	unit may be turned by 180°, 192 × 125 mm (W × H)



### Interfaces/connectors

Combined connector (15 pin D type plug)	- Power supply, 24 VDC ±20 %, max. 8 W - Service terminal (RS232, 19'200 Bit/s, not opto-isolated) - 2 digital inputs (24 VDC) and 2 outputs (max 60 mA)
Host computer/PLC	Industrial Ethernet (IE) acc. to RFC 1006 (ISO on TCP), 10 Mb/s, IP67 water-proof Woodhead socket
SDM connector	Round socket with screw lock for SDM module and service terminal (RS232, 19'200 bit/s, not opto-isolated)

### Environmental conditions

Temperature range	-40 to +70 °C (storage) 0 to +50 °C (operating)
Protection class	IP65, Ref. IEC 529
Vibration	EN60721-3-3 class 3M2
EMC	Complies with the R & TTE 99/5/EC directive *

All values are specified at 20 °C, unless otherwise noted.

\* R & TTE – Radio and telecommunications terminal equipment

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