

High-availability **Wireless Profibus Radio Transmission** now additionally as compact and OEM-Solution!



Based on the freely available DATAEAGLE OEM-board for wireless radio transmission for Profibus, there is now the

DATAEAGLE 3000 Compact

Like the DATAEAGLE Classic Version, having been available for many years already, the DATAEAGLE COMPACT is a transparent data radio system whose functional behavior complies with that one of a Profibus cable.

This enables the use of bus speeds of 9600 up to 1.5 Mbit without having to change the Profibus parameters (e. g. Tslot time or additional number of repeaters).

In the device manager under Step7 regarding Siemens S7 controls, the radio link is established like a cable connection. The DATAEAGLE COMPACT is available with Bluetooth 2.4 GHz, as DEC 3703, with 1.9 GHz DECT radio modules as DEC 3103 or as DEC 3323 with 868 MHz/500 mW.

DATAEAGLE has an integrated diagnosis slave.

Equipped with an own GSD-file, the diagnosis slave supplies data about the characteristics of the radio link for longtime monitoring of the radio link.



Schildknecht
Die intelligente Lösung

Dear customers,
should you have any questions regarding data radio transmission – whether general or very specific problems – please do not hesitate to call us.

We are looking forward to finding the most optimal solution for you!



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Areas and industries where Schildknecht products have been successfully applied already for years:

Mechanical engineering, mining,

plant engineering, robotics,

chemistry, packing machines,

industrial data capture,

access control, parking machines,

pay machines, shipbuilding,

rail, automotive industry,

printing machines,

industrial washing machines,

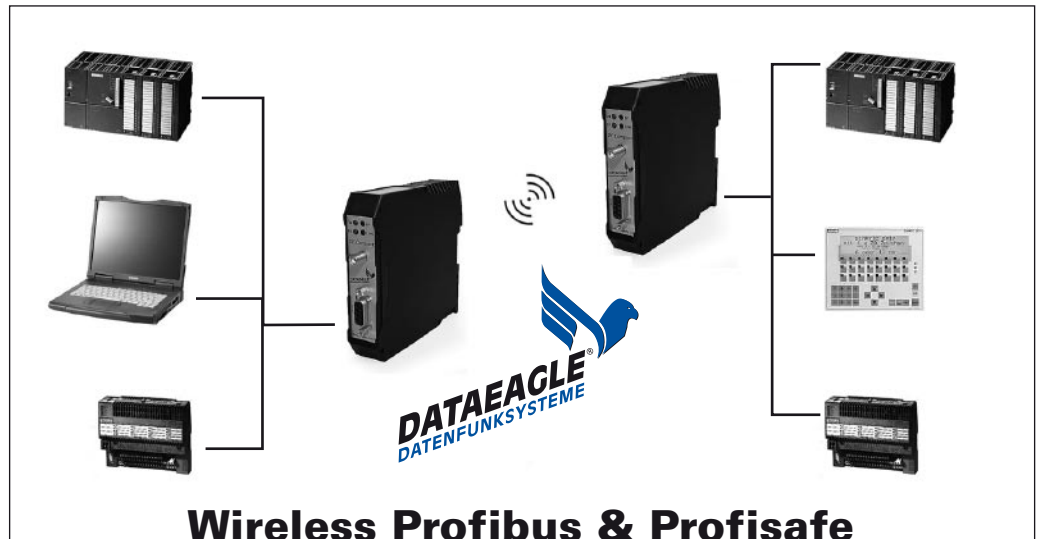
medical engineering,

conveyance and for many more!

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Example application



Wireless Profibus & Profisafe

DATA EAGLE 3000 COMPACT product line



Applications:

The **COMPACT** is characterised by a very small construction size and so it may be applied even in very crowded electric control cabinets in mobile plants and machine parts.

The COMPACT is compatible with the DATAEAGLE Classic product line.

DE 3000 Compact has USB-ports for memory stick for configuration storage and a PC-connection for parameterisation

Technical data:

Supply voltage: 9-33 VDC

Temperature range: -20°C to +70°C

Top hat rail mounting

Housing 23 mm wide, 130 mm deep, 100 mm high

SMA-antenna terminal

Profibus 9600 to 1.5 Mbit

Radio technology:

DEC 3103 1.9 GHz DECT 250 mW

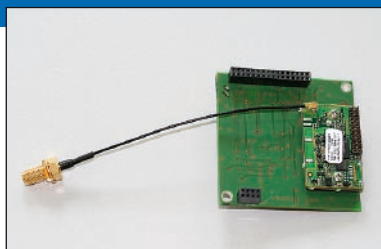
DEC 3323 868-869 MHz 1-500 mW

DEC 3703 2.4 GHz Bluetooth 100 mW

Typical range 100 m in industrial buildings, other environments may enable higher ranges. DEC 3323 approx. 3 km.

Integrated Profibus diagnosis slave for the representation of radio variables.

DATAEAGLE 3000 OEM



Applications:

On the OEM-board, you can find all construction parts required for establishing a Wireless Profibus solution and for the integration in own systems.

Technical data:

Supply voltage: 5 VDC.

Board dimension: 55 x 55 mm, construction depth 15 mm
SMA-antenna connection via Pigtail Profibus-interface 5 V TTL.

All signals led out at plug connector.

Other technical data like DATAEAGLE COMPACT.