



PROFI[®]
BUS

SCHILDKNECHT
SMART DATA COMMUNICATION

Bluetooth[™] 5



AUNEX
automation network experts

Provided and tech-supported in the U.S. by
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DATAEAGLE[®] 3000
WIRELESS PROFIBUS



WIRELESS PROFIBUS – DATAEAGLE 3000

Your benefits

The [DATAEAGLE 3000](#) series was particularly designed for transparent data transmission of PROFIBUS DP applying various radio technologies. All devices featuring a PROFIBUS DP interface may be connected via radio. Our patented filter technology guarantees a highly available and reliable radio connection. [Read our white paper „Wireless 101“ to learn more about our patented wireless technology.](#)

- Patented filter technology
- PROFIBUS DP interface
- PROFIsafe
- Plug & Play – No device configuration required
- Up to 3000 meter range
- Transmission speed up to 1.5 Mbit/s



BLUETOOTH 5 IN DATAEAGLE 373x

Very fast data transmission via radio

The use of modern Bluetooth 5 wireless technology in the DATAEAGLE 373x enables the highest requirements in terms of speed and latency. This makes the DATAEAGLE 373x is particularly suitable for high-performance and safety applications.

- 2 times faster data transmission with minimal latency
- State-of-the-art safety through 128 bit AES encryption



APPLICATION EXAMPLES

Versatile

We have been successfully equipping industrial plants with our radio data transmission system for over 40 years. On our website you will find numerous [practical examples](#) and an overview of our [industry sectors with reports about wireless solutions.](#)

- Substitute of conductor lines
- Substitute of trailing cables and cable chains
- Substitute of optical data transceivers
- Crane systems
- Warehouse systems
- Automotive industry
- Transport vehicles
- Water, wastewater, waste and raw material management
- Engineering
- Lifts, inclined lifts and cable cars
- Oil and gas industry
- Steel and cement plants
- Stage technology



WIRELESS PROFIBUS - DATAEAGLE 3000

The differences at a glance

Product	Frequency	Typical Distance*	Max. PROFIBUS Transmission rate	Protection class	Region
Compact 373x	2,4 GHz Bluetooth 5	300 m	1,5 MBit/s	IP20	Worldwide
X-treme 373x	2,4 GHz Bluetooth 5	300 m	1,5 MBit/s	IP65	Worldwide
Compact 3333A	869 MHz	1000 m	1,5 MBit/s	IP20	Europe
X-treme 3333A	869 MHz	1000 m	1,5 MBit/s	IP65	Europe
Compact 3343A	915 MHz	1000 m	1,5 MBit/s	IP20	America
X-treme 3343A	915 MHz	1000 m	1,5 MBit/s	IP65	America

* Note on typical distance for data radio systems

The range of a radio data transmission solution depends on the quality and type of antennas. Depending on the choice of antenna, the range of the radio solution can therefore vary. With a directional antenna, the typical distance of 300 meters can be significantly increased. Contact us for [personal advice](#) or download the [white paper on antennas](#).



ORDERING BLUETOOTH 5

Select the basic device, interface and set configuration

Various interface options are available for the DATAEAGLE devices with Bluetooth 5. When ordering, the order number of the basic device, the interface option and the set configuration must be specified. The set configuration enables the Plug & Play functionality of the radio link.

Order example: A radio link with 2 users for PROFIBUS and control cabinet mounting.

3 x 15375 - DATAEAGLE Compact 373x (basic devices)

3 x 15381 - Interface PROFIBUS 1-4 (interface option, 1 Master and 2 Slaves)

1 x 15383 - Configuration master (set configuration for Plug & Play)

2 x 15384 - Configuration slave (set configuration for Plug & Play)

Step 1 - Select basic device	
Order number	Basic device
15375	DATAEAGLE Compact 373x
15376	DATAEAGLE X-treme 373x



Step 2 - Select interface options		
Order number	Interface	Link
15380	PROFIBUS	Point-to-Point
15381	PROFIBUS	Multipoint 1-4
15382	PROFIBUS and PROFI-safe	Multipoint 1-8



Step 3 - Select set configuration for Plug & Play	
Order number	Device type
15383	Master
15384	Slave



DATAEAGLE COMPACT 373x

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC, IC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth 5
Transmitting power	8 dBm
Range indoor	100 m
Range outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	9 pol. SUB-D

Order number: Point-to-Point	15380
Max. Number of radio slaves	1
Max. Number of PROFIBUS DP slaves	4
PROFIsafe	No

Order number: Multipoint	15381
Max. Number of radio slaves	4
Max. Number of PROFIBUS DP slaves	4
PROFIsafe	No

Order number: PROFIsafe Multipoint	15382
Max. Number of radio slaves	4
Max. Number of PROFIBUS DP slaves	8
PROFIsafe	Yes

ORDERING PROCESS

[Select here \(page 4\)](#)

- [Here you find all informations about antennas and accessories](#)
- [Go back to product overview](#)





DATAEAGLE X-TREME 373x

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	100 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE, FCC, IC
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth 5
Transmitting power	8 dBm
Range indoor	100 m
Range outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	M12, B-coded

Order number: Point-to-Point	15380
Max. Number of radio slaves	1
Max. Number of PROFIBUS DP slaves	4
PROFIsafe	No

Order number: Multipoint	15381
Max. Number of radio slaves	4
Max. Number of PROFIBUS DP slaves	4
PROFIsafe	No

Order number: PROFIsafe Multipoint	15382
Max. Number of radio slaves	4
Max. Number of PROFIBUS DP slaves	8
PROFIsafe	Yes

ORDERING PROCESS

[Select here \(page 4\)](#)

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DATAEAGLE COMPACT 3333A

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	200 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE (869 MHz)
Weight	160 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range indoor	300 m
Range outdoor	1000 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	9 pol. SUB-D
Max. Number PROFIBUS DP slaves	4
PROFIsafe	No

ORDER NUMBER

Master	11142
Slave	11143

- [Here you find all informations about antennas and accessories](#)
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DATAEAGLE X-TREME 3333A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	200 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE (869 MHz)
Weight	300 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range indoor	300 m
Range outdoor	1000 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	M12, B-coded
Max. Number PROFIBUS DP slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11370
Slave	11371

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DATAEAGLE COMPACT 3343A

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	200 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	FCC (915 MHz)
Weight	160 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

RADIO TECHNOLOGY

Frequency	915 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range indoor	300 m
Range outdoor	1000 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	9 pol. SUB-D
Max. Number PROFIBUS DP slaves	4
PROFIsafe	No

ORDER NUMBER

Master	11148
Slave	11149

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DATAEAGLE X-TREME 3343A

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	200 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	FCC (915 MHz)
Weight	300 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

RADIO TECHNOLOGY

Frequency	915 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range indoor	300 m
Range outdoor	1000 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP transmission rate	1.5 MBit/s
PROFIBUS DP connection	M12, B-coded
Max. Number PROFIBUS DP slaves	4
PROFIsafe	No

ORDER NUMBER

Master	11330
Slave	11331

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