



**DATAEAGLE<sup>®</sup>**  **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.](#)

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



# APPLICATION EXAMPLES

## Versatile

We have been successfully equipping industrial plants with our radio data transmission system for over 35 years. On our website you will find numerous [practical examples](#) and an overview of our [industry sectors with reports about wireless solutions.](#)

- o Substitute of slip rings
- o Substitute of trailing cables and cable chains
- o Substitute of optical data transceivers
- o Crane systems
- o Warehouse systems
- o Automotive industry
- o Transport vehicles
- o Water, wastewater, waste and feedstock industry
- o Engineering
- o Lifts, inclined lifts and cable cars
- o Oil and gas industry
- o Steel and cement plants
- o Stage technology



# WIRELESS PROFIBUS - DATAEAGLE 3000

The differences at a glance

Product	Frequency	Typical Distance	Max. PROFIBUS DP Transmission rate	Max. Radio Slaves	Max. PROFIBUS DP Slaves	PROFIsafe	Protection class
<a href="#">Classic 3712A</a>	2,4 GHz	300 m	1,5 MBit/s	4	8	Yes	IP20
<a href="#">Compact 3712A</a>	2,4 GHz	300 m	1,5 MBit/s	4	8	Yes	IP20
<a href="#">X-treme 3712A</a>	2,4 GHz	300 m	1,5 MBit/s	4	8	Yes	IP65
<a href="#">Classic 3713A</a>	2,4 GHz	300 m	1,5 MBit/s	4	4	No	IP20
<a href="#">Compact 3713A</a>	2,4 GHz	300 m	1,5 MBit/s	4	4	No	IP20
<a href="#">X-treme 3713A</a>	2,4 GHz	300 m	1,5 MBit/s	4	4	No	IP65
<a href="#">Classic 3715A</a>	2,4 GHz	300 m	1,5 MBit/s	1	4	No	IP20
<a href="#">Compact 3715A</a>	2,4 GHz	300 m	1,5 MBit/s	1	4	No	IP20
<a href="#">X-treme 3715A</a>	2,4 GHz	300 m	1,5 MBit/s	1	4	No	IP65
<a href="#">Compact 3710 Starterkit</a>	2,4 GHz	300 m	187,5 kBit/s	1	1	No	IP20
<a href="#">X-treme 3710 Starterkit</a>	2,4 GHz	300 m	187,5 kBit/s	1	1	No	IP65
<a href="#">Compact 3333A</a> <a href="#">Compact 3343A</a>	869 MHz 915 MHz	3000 m	1,5 MBit/s	4	4	No	IP20
<a href="#">X-treme 3333A</a> <a href="#">X-treme 3343A</a>	869 MHz 915 MHz	3000 m	1,5 MBit/s	4	4	No	IP65
<a href="#">Classic 3715A-MPI</a>	2,4 GHz	300 m	187,5 kBit/s - 1,5 Mbit/s	1	4	No	IP20
<a href="#">Compact 3715A-MPI</a>	2,4 GHz	300 m	187,5 kBit/s - 1,5 Mbit/s	1	4	No	IP20
<a href="#">X-treme 3715A-MPI</a>	2,4 GHz	300 m	187,5 kBit/s - 1,5 Mbit/s	1	4	No	IP65



# DATAEAGLE CLASSIC 3712A

## 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
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
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
Max. Number PROFIBUS DP Slaves	8
PROFIsafe	Yes

### ○ ORDER NUMBER

Master	11155
Slave	11156

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





# DATAEAGLE COMPACT 3712A

## Technical data



### o 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
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	8
PROFIsafe	Yes

### o ORDER NUMBER

Master	11168
Slave	11169

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





# DATAEAGLE X-TREME 3712A

## Technical data



### o 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
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 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	8
PROFIsafe	Yes

### o ORDER NUMBER

Master	11326
Slave	11327

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





# DATAEAGLE CLASSIC 3713A

## 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
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
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
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

### ○ ORDER NUMBER

Master	11152
Slave	11153

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





# DATAEAGLE COMPACT 3713A

## Technical data



### o 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
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### o 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

### o ORDER NUMBER

Master	11164
Slave	11165

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







# DATAEAGLE X-TREME 3713A

## Technical data



### o 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
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 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	11324
Slave	11325

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





# DATAEAGLE CLASSIC 3715A

## 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
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
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
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

### ○ ORDER NUMBER

Master	11150
Slave	11151

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





# DATAEAGLE COMPACT 3715A

## 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
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
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
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

### ○ ORDER NUMBER

Master	11160
Slave	11161

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





# DATAEAGLE X-TREME 3715A

## 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
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
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
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

### ○ ORDER NUMBER

Master	11320
Slave	11321

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





# COMPACT 3710 Starterset

## Technical data



### o 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
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### o INTERFACE

Max. PROFIBUS DP Transmission rate	187,5 kBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	1
PROFIsafe	No

### o ORDER NUMBER

11172

### o SCOPE OF DELIVERY

1 x DATAEAGLE Compact 3717-A Master  
 1 x DATAEAGLE Compact 3717-A Slave  
 2 x omnidirectional antenna, 3 dB with magnetic base and connecting cable (5 m)

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





# X-TREME 3710 Starterset

## 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
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### ○ INTERFACE

Max. PROFIBUS DP Transmission rate	187,5 kBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	1
PROFIsafe	No

### ○ ORDER NUMBER

11173

### ○ SCOPE OF DELIVERY

1 x DATAEAGLE X-TREME 3717-A Master  
1 x DATAEAGLE X-TREME 3717-A Slave  
2 x omnidirectional antenna, 3 dB with magnetic base and connecting cable (5 m)

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





# DATAEAGLE COMPACT 3333A / 3343A

## Technical data



### o 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), FCC (915MHz)
Weight	160 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	869 MHz or 915 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	300 m
Range Outdoor	1000 - 3000 m
Antenna connection	SMA Connection - 50 Ohm

### o 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

### o ORDER NUMBER

#### DATAEAGLE Compact 3333A (869 MHz)

Master	11142
Slave	11143

### o ORDER NUMBER

#### DATAEAGLE Compact 3343A (915 MHz)

Master	11148
Slave	11149

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





# DATAEAGLE X-TREME 3333A / 3343A

## 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), FCC (915MHz)
Weight	300 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	869 MHz or 915 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	300 m
Range Outdoor	1000 - 3000 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

#### DATAEAGLE X-treme 3333A (869 MHz)

Master	11370
Slave	11371

### o ORDER NUMBER

#### DATAEAGLE X-treme 3343A (915 MHz)

Master	11330
Slave	11331

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







# DATAEAGLE CLASSIC 3715A-MPI

## 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
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### ○ INTERFACE

Transmission rate	187,5 kBit/s (typical) / 1,5 Mbit/s (max.)
Connection	9 pol. SUB-D
Max. Number Radio Slaves	4
MPI	Yes

### ○ ORDER NUMBER

Master	11150
Slave	11151

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





# DATAEAGLE COMPACT 3715A-MPI

## Technical data



### o 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
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### o INTERFACE

Transmission rate	187,5 kBit/s (typical) / 1,5 Mbit/s (max.)
Connection	9 pol. SUB-D
Max. Number Radio Slaves	4
MPI	Yes

### o ORDER NUMBER

Master	11162
Slave	11163

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





# DATAEAGLE X-TREME 3715A-MPI

## 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
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

### ○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### ○ INTERFACE

Transmission rate	187,5 kBit/s (typical) / 1,5 Mbit/s (max.)
Connection	M12, B-coded
Max. Number Radio Slaves	4
MPI	Yes

### ○ ORDER NUMBER

Master	11322
Slave	11323

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

