





WIRELESS PROFINET - DATAEAGLE 4000

Your benefits

The [DATAEAGLE 4000](#) series was particularly designed for transparent data transmission of PROFINET IO using various radio technologies. All devices featuring a PROFINET IO 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
- PROFINET IO interface
- PROFIsafe
- Plug and Play – no device configuration required
- up to 3000 meter range



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.](#)

- 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 PROFINET - DATAEAGLE 4000

Differences at a glance

Product	Frequency	Typical Distance	Max. Radio Slaves	Max. PROFINET Devices	PROFIsafe	Protection class
Compact 4712	2,4 GHz	300 m	4	6	Yes	IP20
X-treme 4712	2,4 GHz	300 m	4	6	Yes	IP65
Compact 4713	2,4 GHz	300 m	4	6	No	IP20
X-treme 4713	2,4 GHz	300 m	4	6	No	IP65
Compact 4715	2,4 GHz	300 m	1	4	No	IP20
X-treme 4715	2,4 GHz	300 m	1	4	No	IP65
Compact 4333 Compact 4343	869 MHz 915 MHz	3000 m	4	6	No	IP20
X-treme 4333 X-treme 4343	869 MHz 915 MHz	3000 m	4	6	No	IP65





DATAEAGLE COMPACT 4712

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	150 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	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. PROFINET Transmission rate	100 Mbit
2-fach Switch	Yes
PROFINET Connection	RJ 45
Max. Number PROFINET Devices	6
PROFIsafe	Yes

○ ORDER NUMBER

11174

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DATAEAGLE X-TREME 4712

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	150 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. PROFINET Transmission rate	100 Mbit
2-fach Switch	No
PROFINET Connection	M12, D-coded
Max. Number PROFINET Devices	6
PROFIsafe	Yes

o ORDER NUMBER

11422

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DATAEAGLE COMPACT 4713

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	150 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. PROFINET Transmission rate	100 Mbit
2-fach Switch	Yes
PROFINET Connection	RJ 45
Max. Number PROFINET Devices	6
PROFIsafe	No

o ORDER NUMBER

11171

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DATAEAGLE X-TREME 4713

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12
Power consumption	150 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	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. PROFINET Transmission rate	100 Mbit
2-fach Switch	No
PROFINET Connection	M12, D-coded
Max. Number PROFINET Devices	6
PROFIsafe	No

○ ORDER NUMBER

11421

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DATAEAGLE COMPACT 4715

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	150 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. PROFINET Transmission rate	100 Mbit
2-fach Switch	Yes
PROFINET Connection	RJ 45
Max. Number PROFINET Devices	4
PROFIsafe	No

○ ORDER NUMBER

11170

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DATAEAGLE X-TREME 4715

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12
Power consumption	150 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	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFINET Transmission rate	100 Mbit
2-fach Switch	No
PROFINET Connection	M12, D-coded
Max. Number PROFINET Devices	4
PROFIsafe	No

o ORDER NUMBER

11420

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DATAEAGLE COMPACT 4333 / 4343

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	250 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. PROFINET Transmission rate	100 Mbit
2-fach Switch	Yes
PROFINET Connection	RJ 45
Max. Number PROFINET Devices	6
PROFIsafe	No

o ORDER NUMBER

DATAEAGLE Compact 4333 (869 MHz)	11144
DATAEAGLE Compact 4343 (915 MHz)	11158

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DATAEAGLE X-TREME 4333 / 4343

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	250 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. PROFINET Transmission rate	100 Mbit
2-fach Switch	No
PROFINET Connection	M12, D-coded
Max. Number PROFINET Devices	6
PROFIsafe	No

o ORDER NUMBER

DATAEAGLE X-treme 4333 (869 MHz)	11372
DATAEAGLE X-treme 4343 (915 MHz)	11374

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