



DATAEAGLE[®]  **4000**



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.

- Patented filter technology
- PROFINET IO interface
- PROFIsafe
- Plug and Play – no device configuration required
- up to 3 km range



APPLICATION EXAMPLES

Versatile

- 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
- Steelworks
- Stage technology





WIRELESS PROFINET - DATAEAGLE 4000

Differences at a glance

PRODUCT	PROFIsafe	INTEGRATED SWITCH	RADIO SLAVES	PROTECTION CLASS	RANGE
COMPACT 4712	Yes	Yes	4	IP 20	100 m indoor 300 m outdoor
X-TREME 4712	Yes	No	4	IP 65	100 m indoor 300 m outdoor
COMPACT 4713	No	Yes	4	IP 20	100 m indoor 300 m outdoor
X-TREME 4713	No	No	4	IP 65	100 m indoor 300 m outdoor
COMPACT 4715	No	Yes	1	IP 20	100 m indoor 300 m outdoor
X-TREME 4715	No	No	1	IP 65	100 m indoor 300 m outdoor
COMPACT 4323	No	Yes	4	IP 20	1 - 3 km
X-TREME 4323	No	No	4	IP 65	1 - 3 km





DATAEAGLE COMPACT 4712

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
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4 St.
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 pcs.
PROFIsafe	Yes

o ORDER NUMBER

11174





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
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4 St.
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 pcs.
PROFIsafe	Yes

o ORDER NUMBER

11422





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
Colour	Black

o RADIO TECHNOLOGY

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

o ORDER NUMBER

11171





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
Colour	Black

○ RADIO TECHNOLOGY

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

○ INTERFACE

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

○ ORDER NUMBER

11421





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
Colour	Black

○ RADIO TECHNOLOGY

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

○ ORDER NUMBER

11170





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
Colour	Black

o RADIO TECHNOLOGY

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

o ORDER NUMBER

11420





DATAEAGLE COMPACT 4323

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
Weight	160 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4 pcs.
Range Indoor	300 m
Range Outdoor	1 -3 km
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 pcs.
PROFIsafe	No

o ORDER NUMBER

11074





DATAEAGLE X-TREME 4323

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
Weight	300 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4 pcs.
Range Indoor	300 m
Range Outdoor	1 -3 km
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 pcs.
PROFIsafe	No

o ORDER NUMBER

11403





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