

ETHERNET

Bluetooth™ 5

SCHILDKNECHT
SMART DATA COMMUNICATION



DATAEAGLE  **4000**
WIRELESS ETHERNET



WIRELESS ETHERNET - DATAEAGLE 4000

Your benefits

The [DATAEAGLE 4000](#) series was especially designed for a transparent data transmission of Ethernet and Modbus TCP using radio technologies. All devices, that have an Ethernet interface can be connected via radio. The new and robust Bluetooth 5 technology achieves a 5-fold faster data transmission and low latency ensuring a reliable wireless data transmission.

- Ethernet interface for protocols such as Modbus TCP
- Plug and Play – No device configuration required
- Up to 300 meter range with standard settings
- State-of-the-art security through 128 Bit AES encryption

 **5** *ETHERNET*



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



WIRELESS ETHERNET - DATAEAGLE 4000

Differences at a glance

Product	Frequency	Typical Distance	Max. Radio Slaves	Protection class
Compact 4730	2,4 GHz Bluetooth 5	300 m	4	IP20
X-treme 4730	2,4 GHz Bluetooth 5	300 m	4	IP65





DATAEAGLE COMPACT 4730

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 5
Transmitting power	8 dBm
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. ETHERNET Transmission rate	100 Mbit
2-fach Switch	Yes
ETHERNET Connection	RJ 45

○ ORDER NUMBER

11280

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





DATAEAGLE X-TREME 4730

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 5
Transmitting power	8 dBm
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. ETHERNET Transmission rate	100 Mbit
2-fach Switch	No
ETHERNET Connection	M12, D-coded

○ ORDER NUMBER

11290

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