

# CAN

**SCHILDKNECHT**  
SMART DATA COMMUNICATION



**DATAEAGLE**  **6000**  
WIRELESS CAN



# WIRELESS CAN - DATAEAGLE 6000

## General information

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The [DATAEAGLE 6000](#) series was especially designed for the transparent transmission of CAN using various radio technologies. Optionally, a whitelist can be configured using the DATAEAGLE Wizard to optimize the stability of the radio link.

- CAN interface
- Plug and Play – No device configuration required
- Whitelist set-up
- Up to 3000 meter range

# CAN



## APPLICATION EXAMPLES

### Versatile

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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 CAN - DATAEAGLE 6000

Differences at a glance

Product	Frequency	Typical Distance	Max. Radio Slaves	Protection class
<a href="#">Compact 6710</a>	2,4 GHz	300 m	4	IP20
<a href="#">X-treme 6710</a>	2,4 GHz	300 m	4	IP65
<a href="#">Compact 6330</a> <a href="#">Compact 6340</a>	869 MHz 915 MHz	3000 m	4	IP20
<a href="#">X-treme 6330</a> <a href="#">X-treme 6340</a>	869 MHz 915 MHz	3000 m	4	IP65





# DATAEAGLE COMPACT 6710

## 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. CAN Transmission rate	500 kBit/s
CAN Connection	9 pol. SUB-D

### o ORDER NUMBER

11166

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





# DATAEAGLE X-TREME 6710

## 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	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

### ○ INTERFACE

Max. CAN Transmission rate	500 kBit/s
CAN Connection	M12, A-coded

### ○ ORDER NUMBER

11361

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

# CAN



# DATAEAGLE COMPACT 6330 / 6340

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

### ○ RADIO TECHNOLOGY

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

### ○ INTERFACE

Max. CAN Transmission rate	500 kBit/s
CAN Connection	9-pin SUB-D

### ○ ORDER NUMBER

DATAEAGLE Compact 6330 (869 MHz)	11145
DATAEAGLE Compact 6340 (915 MHz)	11159

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





# DATAEAGLE X-TREME 6330 / 6340

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

### ○ RADIO TECHNOLOGY

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

### ○ INTERFACE

Max. CAN Transmission rate	500 kBit/s
CAN Connection	M12, A-coded

### ○ ORDER NUMBER

DATAEAGLE X-treme 6330 (869 MHz)	11373
DATAEAGLE X-treme 6340 (915 MHz)	11375

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

# CAN