

CAN

Bluetooth™ 5

SCHILDKNECHT
SMART DATA COMMUNICATION



DATAEAGLE  **6000**
WIRELESS CAN



WIRELESS CAN - DATAEAGLE 6000

General information

The [DATAEAGLE 6000](#) series was especially designed for the transparent transmission of CAN using radio technologies. To increase the performance of the radio link, the transmitted CAN identifiers can be set in a whitelist. The new and robust Bluetooth 5 technology achieves 5 times faster data transmission and lower latency, enabling a reliable wireless data transmission.

- Optimized for devices with CAN interface
- Plug and Play - no device configuration necessary
- Up to 3 km range
- State-of-the-art security through 128 bit AES encryption



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 CAN - DATAEAGLE 6000

Differences at a glance

| Product | Frequency | Typical Distance | Max. Radio Slaves | Protection class |
|--|------------------------|------------------|-------------------|------------------|
| Compact 6730 | 2,4 GHz Bluetooth 5 | 300 m | 4 | IP20 |
| X-treme 6730 | 2,4 GHz Bluetooth 5 | 300 m | 4 | IP65 |
| Compact 6330 Compact 6340 | 869 MHz 915 MHz | 3000 m | 4 | IP20 |
| X-treme 6330 X-treme 6340 | 869 MHz 915 MHz | 3000 m | 4 | IP65 |





DATAEAGLE COMPACT 6730

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 5 |
| Transmitting power | 8 dBm |
| 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

11268

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





DATAEAGLE X-TREME 6730

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

ORDER NUMBER

11278

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- [Go back to product overview](#)





DATAEAGLE COMPACT 6330 / 6340

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 (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) |
| Range Indoor | 300 m |
| Range Outdoor | 1000 - 3000 m |
| Antenna connection | SMA Connection - 50 Ohm |

o INTERFACE

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

o ORDER NUMBER

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

- o [Here you find all informations about antennas and accessories](#)
- o [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 |

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CAN