CAN

Bluetooth 5

DATAEAGLE
INDUSTRIAL RADIO SYSTEMS
Xtreme

IN — Bus — OUT

24 VDC

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.

- Optimized for devices with CAN interface
- Plug and Play – no device configuration necessary
- Up to 3 km range

BLUETOOTH 5 IN DATAEAGLE 6730
Very fast data transmission via radio

The use of modern Bluetooth 5 wireless technology in the DATAEAGLE 6730 enables the highest requirements in terms of speed and latency. This makes the DATAEAGLE 6730 is particularly suitable for high-performance and safety applications.

- 2 times faster data transmission with minimal latency
- State-of-the-art safety through 128 bit AES encryption

Bluetooth™ 5

APPLICATION EXAMPLES
Versatile

We have been successfully equipping industrial plants with our radio data transmission system for over 40 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 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

* Note on typical distance for data radio systems

The range of a radio data transmission solution depends on the quality and type of antennas. Depending on the choice of antenna, the range of the radio solution can therefore vary. With a directional antenna, the typical distance of 300 meters can be significantly increased. Contact us for personal advice or download the white paper on antennas.

DATAEAGLE COMPACT 6730
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, FCC, IC
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. CAN Transmission rate	500 kBit/s
CAN Connection	9 pol. SUB-D

ORDER NUMBER 11268

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, IC
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

- Here you find all informations about antennas and accessories
- Go back to product overview

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

CAN

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

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