



## Your production data, anywhere, in real time.

Factbird is a cloud-based production data collection and analytic system with a small retrofitting hardware that uses a standard sensor. Factbird can be installed quickly on your production line and provides production data on your smartphone, tablet and PC. Factbird helps manufacturing companies analyze downtime, cycle time and OEE as well as monitor productions from anywhere in the world.

### How it works

Factbird collects data from sensors (e.g. number of units produced), transfers the data via a GSM (cellular) network or a WiFi, and stores the data in a secure cloud database. The Blackbird cloud application analyzes and visualizes the data and you can see the data anytime anywhere from your smartphone, tablet and PC by using a web browser.

### Technological features

Adaptable for various industry standard sensors (e.g. Omron E3Z-R66 or E3Z-LS68 or E2Q5)

Plug and Play – The installation can be done in under 20 minutes

Accessible from various devices – HTML5 application

### What you need for installation

For Factbird (GSM): power outlet 100-240v

For Factbird WiFi: power outlet 100-240v, WiFi

*\* The device contains a GSM transceiver, please consider this during installation*

### What is packaged (standard)

1 Factbird Digital box

1 Power Supply Unit

1 Sensor (standard: Omron E3Z-R66 or E3Z-LS68 or E2Q5)

1 Sensor cable (standard: M8-M8 sensor cable 5 meter)





## Product Specifications

### Factbird Digital Box

Parameter	Value
IP Rating	IP67
Length	160 mm
Width	80 mm
Height	65 mm
Material	Polycarbonate
Gasket Material	Polyurethane
UV resistance	UL 508
Temperature	0-45°C

### Sensor Input

Parameter	Value
Voltage out to sensor	12 VDC
Voltage input from sensor	0-12 V
V <sub>low</sub>	< 2 V
V <sub>high</sub>	> 2.7 V
Input frequency max	100 Hz
Pulse width minimum	5 ms
Sensor type	NPN
Sensor max current draw	100 mA
Counter increment	Falling Edge
Connector Plug	M8 (4 pin)

### Connectivity GSM

Parameter	Value
Frequency band	850/900/1800/1900 MHz
Data	GPRS Class 12

### Connectivity WiFi

Parameter	Value
WiFi Protocols	802.11 b/g/n
Security	WPA/WAP2 PSK
Frequency band	2.4 GHz

### Power Input

Parameter	Value
Input Voltage	12 VDC
Input Current	1 A

### Power Supply Unit (Packaged)

Parameter	Value
Input voltage	100-240 VAC
Input current	0,5 A
Frequency	50-60 Hz
Model	T6263ST
Manufacteur	Stronics
Plug Type	Europlug
Operating Temperature	0-40°C
IP Rating	No

#### End of life

When you wish to dispose the sensor cable, please return it to Blackbird ApS for recycling or recycle local according to local laws where end-of-life takes place.

#### Limitations of liability

Blackbird ApS shall not be responsible for any direct or indirect damages, commercial losses, loss of profit in any way connected with the Factbird Digital.

#### Warranty

Blackbird ApS's warranty is that the product is free from defects in materials and workmanship for a period of one year from the date of sale by Blackbird ApS.