

DATASHEET

Factbird® Barcode Solution



SIMPLIFY/AUTOMATE WORKFLOWS, GET MORE DATA TO ENHANCE ANALYTICS

The Factbird barcode solution is an add-on to the Factbird solution designed to improve the workflow and how you collect data for analysis in the Factbird manufacturing intelligence software.

Implementing the Factbird barcode solution automates tedious human-based processes, simplifies manual tasks, and enables frontline operators to contribute more insights to the team.

How it works

Factbird cloud software integrates data from barcode scanners with the production data collected and analyzed by Factbird devices and PLCs.

What it does

Factbird barcode solution is suitable for those who want to improve the usage of Factbird standard capabilities by using barcode scanners.

1. **Stop cause registration** - Scanning a barcode automatically register the associated stop cause in the Factbird cloud software.
2. **Start/Stop batches** - Scanning a barcode automatically starts or stops a batch in the Factbird cloud software.
3. **Raw material tracking** - Scanning a barcode on the box/pallet transmits data to the Factbird cloud software, documenting raw material batch information along with production data.

Please note that Factbird's standard capabilities enables the above actions within the software.

Checklist for installation **Factbird devices should be installed separately.*

Solution with handheld barcode scanner

- Handheld barcode scanner e.g. Zebra DS2278, packaged with:
 - Charging cradle
 - Cable for connecting the cradle
- Teltonika router RUTX11, packaged with:
 - Power supply
 - Wi-Fi and mobile antennas
 - SIM card (in case of using a mobile network)

Solution with fixed mount barcode scanner

- Barcode scanner e.g. ifm O2I503, packaged with:
 - Power supply
 - Cables harness
 - Ethernet cable
 - Sensor for triggering scan
- Teltonika router RUTX11, packaged with:
 - Power supply
 - Wi-Fi and mobile antennas
 - SIM card (in case of using a mobile network)

Product Specifications

Zebra 2278 (Handheld barcode scanner)	
Dimensions	175 × 66 × 89 mm / 6.9 × 2.6 × 3.5 in
Weight	214 g / 7.5 oz
Operating temperature	0° to 50° C / 32° to 122° F
Storage temperature	-40° to 70° C -40° to 158° F

ifm O2I503 (Fixed mount barcode scanner)	
Dimensions	45 × 45 × 86 mm / 1.8 × 1.8 × 3.4 in
Weight	601 g / 21 oz
Ambient temperature	-10° to 50° C 14° to 122° F
Type of light	Infrared light
Image resolution	1280 × 960 px
Max. reading rate	40 Hz
Field of view size	
Operating distance - Field of view 35 mm/1.4 in - 25×19 mm/0.98×0.75 in 300 mm/11.8 in - 184×138 mm/7.2×5.4 in 500 mm/19.7 in - 304×228 mm/12 ×9 in 1000 mm/39.4 in - 604×453 mm/24×18 in	
Operating distance	> 35 mm / 1.4 in
Materials	Housing: diecast zinc powder-coated Front pane: Gorillaglas LED window: PC Pushbutton: POM
Sealing material	FKM

Teltonika Router RUTX11 (Preprogrammed by Factbird)	
Dimensions - Mounting space	115 × 165 × 199 mm 4.5 × 6.5 × 7.8 in
Weight (device + box + accessories)	936 g / 33 oz
Operating temperature	-40° to 75° C -40° to 167° F
Operating humidity	10% to 90% non- condensing
IP Rating	IP30
Wi-Fi security	WPA2-Enterprise - PEAP, WPA2-PSK, WEP, WPA-EAP, WPA-PSK; AES-CCMP, TKIP, Auto Cipher modes, client separation
Wireless mode	802.11b/g/n/ac Wave 2 (WiFi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA)
Mobile module	4G (LTE) – Cat 6 up to 300 Mbps, 3G – Up to 42 Mbps
Housing	Aluminium housing with DIN rail mounting option and grounding capability

Please refer to each manufacturer's website for more information.

End of life

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

Limitations of liability

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

Warranty

Factbird 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 Factbird ApS.