

DATASHEET

Factbird® Omron NX1



UNLOCK ADVANCED DATA COLLECTION

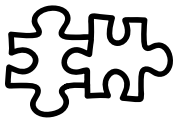
The Factbird® Omron NX1 is designed for organizations with the most demanding data needs. With this advanced IoT device you'll get a comprehensive and customizable data collection solution as you can add your own PLC programs to collect data.

Gather, process, and analyze large amounts of data from various sources in real-time.

How it works

Factbird Omron NX1 is a IIoT data collection hardware with multi sensor connections based on Omron PLC technology. This edge device collects data from digital and analog sensors such as production units, material temperature, and more. The data is securely transmitted directly to the Factbird cloud server via Wi-Fi, mobile network or ethernet and visualized in real time on a secure web-based user interface accessible from your smartphone, tablet, or PC.

Key features



Non-intrusive solution

An end-to-end solution that is retrofitted to seamlessly integrate with existing infrastructure.



Effortless Installation

Installation can be done in under 1 hour, while production continues uninterrupted.



Secure data

Advanced encryption and secure network communication ensure maximum protection of your data.

Checklist for installation

- Factbird® Omron NX1 data collection device
- Power supply unit
- Sensor (digital or analog)
- Sensor cable

Product Specifications



General product specification	
Sensor input	8 inputs from GX-ILM08C. <i>More IO-Link master modules can be added.</i>
CPU module	Omron NX102
Input module	Omron NX-ID4342 <i>Can be customized with other NX input module.</i>
Router	RUT240 *D, RUT240 *1
Width	250 mm
Height	120 mm
Depth	160 mm
Connectivity	
Connection types	LTE, WiFi, Ethernet
LTE bands	1, 2, 3, 4, 5, 7, 8, 12, 20
UMTS bands	850, 900, 1900, 2100
Wi-Fi frequencies	2.4 GHz
IEEE 802.11 standards	b/g/n
LAN speed	10/100 Mbps
Ethernet standards	IEEE 802.3, IEEE 802.3u

Sensor Input Digital	
Power supply to sensor	24 VDC
Sensor input levels	IEC 61131-2 Type 3
Input frequency max	100 Hz
Pulse width minimum	5 ms
Sensor type	PNP
Sensor max current draw	200 mA
Connector plug	M12 (4 pin)
Power Input	
Input Voltage	24 VDC
Input Current	2.4 A
Connector plug	M8 (4 pin)
Power Supply Unit (Packaged)	
Input Voltage	90-264 VAC
Input Current	1.5 A
Frequency	47-63 Hz
Model	125-4248
Manufacteur	RS Pro
Plug Type	M8 (4 pin)
Operating Temperature	0-40°C

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 Omron NX1.

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.