

BARIX

BARIX IoT-X

The BARIX IoT-X is a configurable Input/Output device, allowing remote control on physical systems via mobile network.



The BARIX IoT-X is a low-cost DIN-Rail mountable GPIO device for industrial surveillance and automation applications. It communicates via a mobile connection using 2G / 3G / 4G / Narrowband IoT (NB1) / MB1 / LoRa or Sigfox. 4 analog input thresholds and 4 digital inputs can be monitored and customized. Notifications can be sent on status changes.

4 relays can be switched on and off remotely. Depending on the available infrastructure, the message can be sent via modern transmitting protocols, SMS or even a phone call.

Applications

- Smart remote decision making
- Equipment remote surveillance and control
- Remote equipment reset
- Environmental monitoring and alarming
- Wireless access control / door control
- Contact closure monitoring and alarming

Features

- 4 controllable Relays (4x24V,0.5A)
 - 4 analog inputs with 10bit resolution (0-5V) for threshold monitoring
 - 4 digital input status monitoring
 - 2G / 3G / 4G / Narrowband IoT (NB1) / MB1 / LoRa or Sigfox version available
 - Support for 16 customizable SMS message strings (32 char. per string)
 - Support of up to 8 phone numbers
 - Connector for external antenna
 - Message buffer for multiple events
 - Supply voltage (9-30V)
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Technical Specifications for Audio Point Encoder

Digital Input trigger options

- send message when going active
- send message when going passive
- send message with every change
- repeat sending if triggered and condition persists every x minutes (x=1 minute to 45 days, 0 to disable)
- select any destination number to be informed about a state change

Analog Inputs with definable threshold per input

- send message when going above threshold
- send message when going below threshold
- send message with every crossing of threshold
- repeat sending if triggered and condition persists every x minutes (x=1 minute to 45 days, 0 to disable)
- select any destination number to be informed about a state change

Network Interface

- 2G / 3G / 4G / Narrowband IoT (NB1) / MB1 / LoRa or Sigfox
- external antenna connector

MTBF

- Min. 800 000h acc. to MIL217F at 25°C ambient temperature

Case

- DIN-rail mount, high quality plastic
- 105x85x31mm (4.13x3.34x1.1 inch)

Power input

- 12..24 VDC (±20%)

Warranty

- Two years

Environmental

Operating Environment

0 to +50°C / 32 to 122°F
0 - 70% relative humidity, non-condensing

Storage Conditions

-20 to +70°C / -4 to 158°F
0 - 70% relative humidity, non-condensing

Certifications

FCC, CE, RoHS, others in examination

Ordering Information

On Demand

For commercial related questions (distributors contacts, price list, business opportunities) please contact sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.) please contact support@barix.com

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