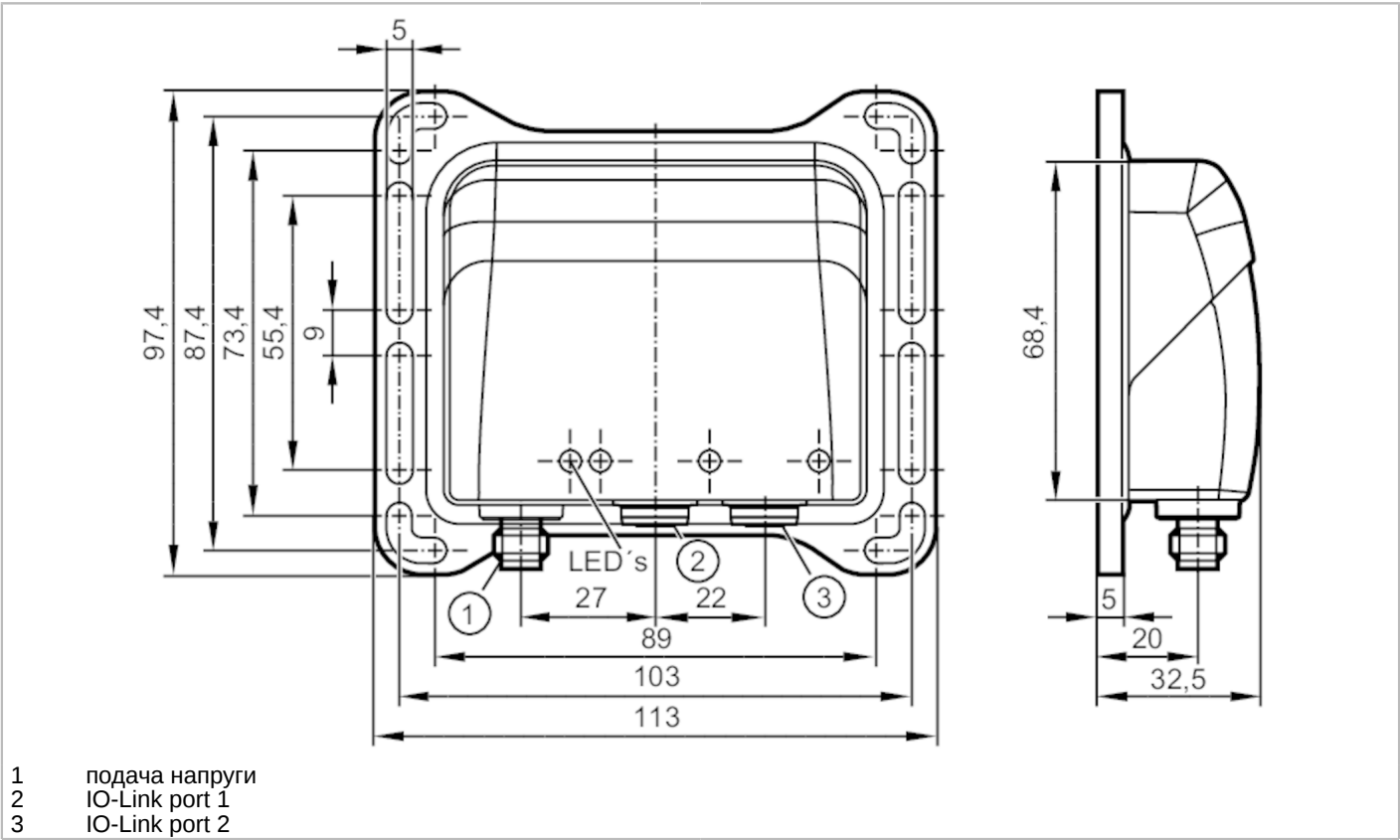




Wireless IoT gateway

io-key GSM IoT Gateway IOL 2P



Application	
Application	wireless IoT gateway with NarrowBand IoT data transmission; Sensor data collected and sent to the ifm cloud via radio transmission
Radio approval for	EU/RED
Note on radio approval	The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under “Downloads”.
Electrical data	
Operating voltage [V]	18...30 DC
Current consumption [mA]	< 1000
Power consumption [W]	8.6
Protection class	III
Reverse polarity protection	yes
Operating frequency [MHz]	NarrowBand-IoT: 800...900 MHz; 2G (GSM): 900/1800 MHz; SIM card onboard
Inputs / outputs	
Number of inputs and outputs	Number of digital outputs: 2
Outputs	
Number of digital outputs	2
Max. current load per output [mA]	100
Software / programming	
Parameter setting options	dashboard display with alarm functions via email or text message



Wireless IoT gateway

io-key GSM IoT Gateway IOL 2P

Interfaces		
Communication interface	IO-Link; Mobile networks; Bluetooth	
Bluetooth		
Transmission standard	BTLE	
Frequency band	2,4 GHz	
Usage type	service interface	
IO-Link		
Number of ports	2	
Unterstützte IO-Link Revision	1.1	
Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)	
Mobile networks		
Transmission standard	NarrowBand-IoT; 2G quadband GSM	
Operating conditions		
Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-40...60
Max. height above sea level	[m]	3000
Protection	IP 65	
Tests / approvals		
EMC	EN 301489-1	
	EN 301489-17	
	EN 301489-52	
Vibration resistance	EN 60068-2-6	
Shock resistance	EN 60068-2-27	
Radio approval	EN 301511 EN 301908-1 EN 301908-13 EN 300328	
Mechanical data		
Weight	[g]	121
Materials	housing: ABS	
Displays / operating elements		
Display	подача напруги	1 x LED, green
	communication	1 x LED
	IO-Link port	2 x LED
Remarks		
Pack quantity	1 pcs.	

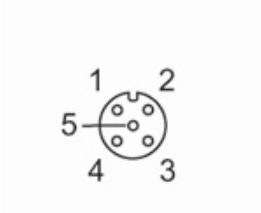


Wireless IoT gateway

io-key GSM IoT Gateway IOL 2P

Electrical connection - IO-Link

Connector: 2 x M12; coding: A



IO-Link Port 1

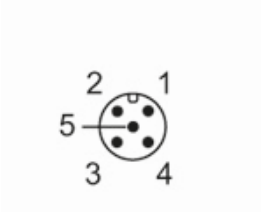
1	+24 V DC(US)
2	not used
3	GND (US)
4	C/Q IO-Link
5	not used

IO-Link Port 2

1	+24 V DC(US)
2	not used
3	GND (US)
4	C/Q IO-Link
5	not used

Electrical connection - подача напруги

Connector: 1 x M12; coding: A



Power

1	+24 V DC
2	digital output 1
3	L-
4	digital output 2
5	not used