

PSSYSTEM GMBH: SMARTBOX MINI



Physical Properties

Programming Interface	AT commands
Switchboard Installation (DIN rail mounting)	Yes
Device Size	(72 x 53,5 x 26) mm
Weight	89g
IP Class 1st Digit	2 - Protected against solid objects over 12.5mm e.g. hands, large tools.
IP Class 2nd Digit	0 - No protection
Operating Temperature	-20°C / 60°C
Storage Temperature	-40°C / 85°C
Operating Humidity	max. 85%
Storage Humidity	max. 85%
Number of SIM Slots	1
SIM Type	2FF

Electrical Characteristics

External Voltage	12 - 24 V DC
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Antennas

GSM Antenna Connector (number)	1
GSM Antenna Connector (standard)	SMA

I/O

RTC	Yes
USB	Yes
RS 232	optional
RS 485	Yes
Digital In	1
Analog In	1
Supported Analog Inputs	<ul style="list-style-type: none">• 0...20mA• NTC

Internal Sensors

Accelerometer	Optional
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Supported Positioning Technologies

GLONASS	Optional
GPS	Optional

Connectivity

2G	Yes
3G	Yes
4G	Optional
NB-IoT	Optional
LTE-M	Optional



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Supported Protocol Layers / Frameworks

Modbus RTU	Yes
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Certification

CE	Yes
Directive for Radio Equipment	RED
RoHS	Yes
WEEE	Yes
WEEE valid for	DE

Cloud of Things

Connectivity with CoT	MQTT
SmartREST	Yes
SmartREST Prefix	_<XID>
Cloud Fieldbus	Yes

Safety and Security

TLS	1.2
Encryption mechanisms	AES

Contact

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