

# PSSYSTEM GMBH: SMARTBOX CUBE IO



## Physical Properties

Programming Interface	AT commands
Switchboard Installation (DIN rail mounting)	Yes
Device Size	(70 x 70 x 45) mm
Weight	220g
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

## IO

Accelerometer	Optional
GPS	Optional
RTC	Yes
USB	Yes
RS 485	Yes
Digital In	11
Digital Out	1
Analog In	11
Analog Out	1
Supported Analog Inputs	<ul style="list-style-type: none"> <li>• 0...20mA</li> <li>• 4...20mA</li> <li>• 0...10V</li> <li>• 0...5V</li> <li>• 2...10V</li> <li>• PT1000</li> </ul>

## Connectivity

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



# PSSYSTEMEC GMBH: SMARTBOX CUBE IO

## 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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