

# FP INOVOLABS GMBH: FP S-OTGUARD H600 SERIES



## Physical Properties

Programming Interface	TiXML (XML compatible script language)
Switchboard Installation (DIN rail mounting)	Yes
Device Size	(87 x 58 x 91) mm
Weight	~225g
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	min. -25°C, max. 65°C
Storage Temperature	min. -40°C, max. 85°C
Operating Humidity	max. 5 - 95 % non-condensing
Storage Humidity	max. 5 - 95 % non-condensing
Number of SIM Slots	1
SIM Type	2FF

## Electrical Characteristics

External Voltage	10 .. 30 V DC; max. 0,7 A
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## System Characteristics

Processor	400 MHz, ARM9, ATMEL SAM9-G25
Flash	128 MB on-board
RAM	128 MB DDR2-RAM

## Connectivity

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

## Antennas

GSM Antenna Connector (number)	1
GSM Antenna Connector (standard)	FME (male)
GPS antenna connector (number)	Optional



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## I/O

RTC	Yes
Number of Ethernet Ports	1
Data transfer rate of Ethernet Port(s)	10/100 Mbps
USB	Yes
RS 232	Yes
RS 485	Yes
I2C-Bus	Yes
Digital In	up to 8
Digital Out	up to 4
Analog In	1
Supported Analog Inputs	0...10V
Others	UART Full+Lite, JTAG, GPIO

## Protocol Layers / Frameworks

Siemens S7	Yes
Siemens Logo	Yes
Modbus TCP	Yes
Modbus RTU	Yes
M-Bus	Optional
Other	EN 61107, Aurora, wMBus via optional FP wMBus Adapter, ABB, Mitsubishi, Moeller/Eaton, Allen-Bradley, Schneider, Crouzet, VIPA

## Positioning Technologies

Galileo	Optional
GLONASS	Optional
GPS	Optional
Beidou	Optional

## 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	FPIL_TIXIGW_100

## Safety and Security

TLS	1.2
Encryption mechanisms	AES

## Contact

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