

FP INOVOLABS GMBH: FP S-OTGUARD H651 BB



Physical Properties

| | |
|--|--|
| Programming Interface | TiXML (XML compatible script language) |
| Switchboard Installation (DIN rail mounting) | Yes |
| Device Size | (89 x 58 x 91) mm |
| Weight | 1.3 kg |
| 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 |
|------------------|--------------|

System Characteristics

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

Connectivity

| | |
|----------|----------|
| 2G | Yes |
| 3G | Yes |
| 4G | Yes |
| Ethernet | Yes |
| WiFi | Optional |

Antennas

| | |
|----------------------------------|------------|
| GSM Antenna Connector (number) | 1 |
| GSM Antenna Connector (standard) | FME (male) |



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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 | 1 |
| Others | UART Full+Lite, JTAG, GPIO |

Supported Protocol Layers / Frameworks

| | |
|--------------|--|
| Siemens S7 | Yes |
| Siemens Logo | Yes |
| Modbus TCP | Yes |
| Modbus RTU | Yes |
| Other | ABB, Mitsubishi, Moeller/Eaton, Allen-Bradley, Schneider, Cruzet, VIPA |

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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