

IQRF Gateway

ANY HW - ANY OS - ANY APP - ANY CLOUD



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Gateway

Enabler



Alliance

IQRF Gateway Daemon & Webapp for Linux OS

2018 - v1 -> 2019 - v2

Modular design

IQRF repository integration

API for IQRF Standard and Network management

WebSocket channel and UART interface

IQRF DPA timing – unicast, broadcast and FRC

API v1 supported

Cloud TCPisek platform support



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Source code is ONLINE

<https://gitlab.iqrf.org/open-source/iqrf-gateway-daemon>

<https://gitlab.iqrf.org/open-source/iqrf-gateway-webapp>

Documentation

<https://docs.iqrf.org/iqrf-gateway>



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2019/Q1-2/v2.1.x

DPA v40x support

Metadata API introduced

IQMESH service RemoveBond

Scheduler API enhanced and persistent

Native SPI upload with KON-RASP-02

IQRF Gateway in Docker

Source code release



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2019/Q3-4/v2.x

Maintain topology and device information

Buffer when IP connectivity is down

Secure WebSocket channel

IQMESH services – AutoNetwork/Backup/Restore/OTA

High level API for Networks with IQRF Standard devices

Live demo

← → ↻ ⓘ Nezabezpečeno | 192.168.1.189/gateway/info/

Gateway

- Gateway
- Configuration
- Service
- IQRF network
- Clouds
- User manager

Gateway Info

Board	AAEON GP-APL01 (V0.4)
IQRF Gateway Daemon	v2.1.0-beta 2019-04-02T14:14:07
IQRF Gateway Webapp	v2.0.0-beta (5a588d4ce15cffe2aa76f5e0e36a8b50fe47014)
Hostname	utlinux4
IP addresses	br-ea748fd3b3db: 10.1.0.1/16 docker0: 172.17.0.1/16 ens2e0: 192.168.1.189/24
MAC addresses	br-ea748fd3b3db: 02:42:9c:71:0b:52 docker0: 02:42:04:e7:a9:ae ens2e0: 00:07:32:49:0b:31 ens3e0: 00:07:32:49:0b:32 wlp4e0: 08:04:0c:a7:db:c7 wpa0a2190a54: 2a:0d:2f:0b:1c:14
Disk usage	<div style="margin-bottom: 5px;"> /dev/mmcblk0p2 (ext4): Used 10.57 GB / 28.12 GB 10.57 GB (37.56%) </div> <div> /dev/mmcblk0p1 (vfat): Used 256 kB / 510.95 MB </div>
Memory usage	Used 361.93 MB / 1.81 GB 361.93 MB (19.97%)
TR info	Module type: (DC)TR-720x MCU type: PnC16LP1938 MID: 81069383 OS: 4.03D (B8CB) DPA: 4.00 Network type: STD+LF Supply voltage: 3.00 V

[Download diagnostics](#)



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Thank you

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IQRF Tech

Team

logimic

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Špínar, ...**