

ReliaGATE 10-12 and DynaGATE 10-12 Variant Overview – FCC Variants

| Model | ReliaGATE 10-12 | | | | | DynaGATE 10-12 | | | | |
|--|---|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Variant (Base Hardware) REGATE-10-12-xx | REGATE-10-12-GS02 (EMC Sample Unit) | REGATE-10-12-01 | REGATE-10-12-02 | REGATE-10-12-03 | REGATE-10-12-05 | DYGATE-10-12-GS02 (EMC Sample Unit) | DYGATE-10-12-01 | DYGATE-10-12-02 | DYGATE-10-12-03 | DYGATE-10-12-05 |
| OS SW Versions Refer Note 1. | - | REGATE-10-12-21 REGATE-10-12-31 | REGATE-10-12-22 REGATE-10-12-32 | REGATE-10-12-23 REGATE-10-12-33 | REGATE-10-12-25 REGATE-10-12-35 | - | DYGATE-10-12-21 DYGATE-10-12-31 | DYGATE-10-12-22 DYGATE-10-12-32 | DYGATE-10-12-23 DYGATE-10-12-33 | DYGATE-10-12-25 DYGATE-10-12-35 |
| GENERAL | | | | | | | | | | |
| Processor | TI Sitara AM3352 1GHz | | | | | | | | | |
| DRAM | 1GB DDR3 | | | | | | | | | |
| STORAGE | 4GB eMMC, micro SD slot accessible under service panel opening, 256kbit EEPROM | | | | | | | | | |
| PCB Design | Both models share the same PCB design with population differences as described below (8-layers PCB) | | | | | | | | | |
| Ethernet | 2x 10-100Mbps on shielded RJ45 | | | | | | | | | |
| Serial | Two identical 2-lines channels(RX/TX, RA+/RB-) available on 3.5mm terminal | | | | | | | | | |
| Debug | RS232 3.3V TTL debug port available under service panel opening | | | | | | | | | |
| CAN | Two identical Can bus ports available on 3.5mm terminal header with external power delivery 5V@100mA | | | | | | | | | |
| Digital I/O | 2x Digital Input 36V, 1kV Opto-isolated, 2x Digital Output (40VDC), 500mA fuse protected, 1KHz Max Switching(optorelay) | | | | | | | | | |
| USB | 3x Host 2.0 (Noise and Surge Protected) - Type A – Electrically identical to DynaGATE 10-12 Variants | | | | | 3x Host 2.0 (Noise and Surge Protected) - High Retention Type A - Electrically identical to ReliaGATE 10-12 Variants | | | | |
| Expansion | Yes, for Side Expansion Modules (24way 2mm/2row female header) | | | | | | | | | |
| WIRELESS | | | | | | | | | | |
| LTE | TELIT LE910-NA1 LTE | None | None | TELIT LE910-NA1 LTE | TELIT LE910-NA1 LTE | None | None | TELIT LE910-NA1 LTE | None | None |
| WiFi | Jorjin WG7833-B0 | None | Jorjin WG7833-B0 | None | Jorjin WG7833-B0 | Jorjin WG7833-B0 | None | Jorjin WG7833-B0 | None | Jorjin WG7833-B0 |
| GPS | U-Blox NEO M8 GPS | Optional U-Blox NEO-M8x GPS Receiver | | | | Integrated U-Blox NEO-M8x GPS Receiver | | | | |
| OTHER | | | | | | | | | | |
| RTC | Yes (Lithium BR1225 battery backup) | | | | | Yes (Supercap backup) | | | | |
| Sensors | Temperature, Accelerometer | | | | | | | | | |
| Buttons | 1x RESET, 1x user programmable available under the service panel | | | | | | | | | |
| LEDs | 1x Power, 1x Cellular, 4x Programmable | | | | | | | | | |
| TPM | Factory Option | | | | | | | | | |
| SIM slot | 2x microSIM (User Accessible under the service panel) | | | | | | | | | |
| Power | 6-36VDC, with Transient Protection, Vehicle Ignition Sense (2W typ.) | | | | | | | | | |
| ENVIRONMENT | | | | | | | | | | |
| Operating temp. range | - 20 to +70°C | | | | | - 40 to +85°C | | | | |
| Storage temp. range | - 40 to +85°C | | | | | | | | | |
| MECHANICAL | | | | | | | | | | |
| Enclosure | ABS Plastic | | | | | Aluminium Sheetmetal | | | | |
| Ingress | IP40 | | | | | | | | | |
| Dimensions | 138.9x115.0x46.2mm (LxWxH) - with mounting bracket and SMA connectors | | | | | 138.9x118.2x51.6mm (LxWxH) - with mounting bracket and SMA connectors | | | | |

Note 1: Radio module firmware and operating system based radio firmware loaded during OS boot are identical across all REGATE-10-12-xx and DYGATE-10-12-xx variants.

Note 2: TELIT LE910-NA1 LTE denotes FCC ID: R17LE910NAV2, IC: 5131A-LE910NAV2, HVIN: LE910-NA V2

Jorjin WG7833-B0 denotes FCC ID: UKMMRG1012, 21442-MRG1012, HVIN: MRG1012