

LTE Gateway Board



LTE Gateway Board is a Smart IoT Gateway based on Colibri i.MX 6ULL SoC. LTE CAT4 module and BLE SoC with industrial standard communication interfaces such as Ethernet, RS485, RS232 and a wide range of I/O interfaces.

IoT hardware,
software and
smart product
development

Key Features:

- Colibri SOM based on i.MX 6ULL application processor featuring Arm® Cortex-A7 core with extreme low power consumption
- Carrier board compatible with entire family of Colibri SOMs
- Memory: 512MB (16 Bit) DDR3L RAM & 512MB SLC NAND (8 Bit) Flash, micro SD card interface

Communication Interface:

- RS232 (without BLE), isolated RS485, 10/100 Mbit Ethernet, USB 2.0 with OTG
- Industry standard power supply range 5VDC to 24VDC



Specifications:

- i.MX 6ULL CPU clock operation frequency up to 800MHz
- LTE, UMTS/HSPA (+) and GSM coverage
- LTE-FDD Max. 150Mbps (DL) and Max. 50Mbps (UL), DC-HSPA + Max. 42Mbps (DL) and Max. 5.76Mbps (UL)
- LTE antenna- working frequencies in the 698-2690MHz spectrum
- BLE SoC with excellent RF link budget up to -96 dB and transmit power up to +8 dBm
- Option to choose BLE antenna between 2.4GHz Terminal Mount Dipole Antenna and chip antenna
- 50 pin I/O header with wide range of industry standard interfaces such as I2C, SPI, UART, analog inputs and GPIOs

Connectivity

- LTE Cat 4 module optimized for M2M and IoT applications
- Worldwide LTE, UMTS/HSPA (+) and GSM/GPRS/EDGE coverage
- BlueNRG-232 Bluetooth LE V5.0 Wireless SoC supporting SIG Mesh

Mechanical Specification

- Dimension 135mm x 110mm x 45mm.
- Enclosure: IP-65
- Suitable for Wall mount & DIN Rail.

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