

Data sheet QS-5000 Basic device



Microprocessor:	32-Bit STM L4 microprocessor
Memory:	1024KB Flash, 320KB RAM, 1Mbit EEPROM
Power consumption:	15 μ A in sleep mode, 10 mA operating (without peripherals running)
Battery:	3.6V, 19 Ah (optional rechargeable LiPo, external power supply 12V/24V/220V)
Data transmission:	Narrow-Band IoT (NB-IoT) with 3G/2G fallback, Micro-SIM or eSIM
GPS receiver:	GPS, GLONASS, BeiDou, Galileo, 33 tracking channels, 99 acquisition channels, passive & active antenna support
Antennas:	Internal GSM & GPS antennas (optional external antennas)
On-board sensors:	Vibration, orientation, shock, temperature, humidity, pressure, location, battery voltage
Sensor extensions:	4 optional sensors via GPIO (e.g. infrared counter, magnetic switch), 10 optional sensors with expansion board (4-20mA, 0-10V, 0-2.5V, digital in, digital out)
User interface:	3 programmable LEDs, net light of telecom module, 6 pin DIP switch
Connectors:	Debugging & programming port
Country of origin:	Developed & produced in Germany by QUANTEC Engineering GmbH