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BHARAT GATEWAY LITE

INDUSTRIAL IoT GATEWAY

Experience next-gen connectivity with the BGL Industrial 4G Gateway. Built for demanding environments, it delivers blazing-fast, low-latency 4G to power a new era of automation and efficiency. This compact, rugged device is the ideal choice for CNC machines, security installations, and IIoT applications.

HiveProvisioner Compatible

[MANAGEMENT | ALERTS | CONFIGURATION | REMOTE ACCESS I FOTA]

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KEY FEATURES

HARDWARE

Mobile	LTE Cat 1 (10 Mbps DL / 5 Mbps UL) + 2G GSM/GPRS Fallback
CPU	Quectel EC200UCN **(Single MCU)**
Storage	Module Internal Flash
SIM	1 × Mini SIM (2FF)
Antenna connectors	3 x IPEX Connectors (LTE, GNSS, Wi-Fi/BLE)
Wireless	Wi-Fi 2.4 GHz + Bluetooth LE 5
GNSS	GPS / BDS / GLONASS / Galileo
Digital I/O	7 x Level Shifted Digital Inputs/Outputs (5V logic)
Analog Inputs	3 x Analog Inputs (0–5V, resistor-scaled ADC)
RS485	Half Duplex Modbus RTU
Power Input	2 Pin Terminal Block only (9–24V DC)
Protection	TVS Surge & Reverse Polarity Protection
Operating temperature	-40 °C to 85 °C
Mounting	DIN Rail Compatible
Dimensions(W x H x D)	106.20 × 87.70 × 54.29 mm
Weight	100gm

SOFTWARE

Operating system	Quec-Open RTOS
Protocols	MQTT • HTTPS • Modbus RTU
Device Management	HiveProvisioner (RMS)
Security	Authentication • SSL/TLS v1.2 • Firewall • Access Control
Cloud Platforms	AWS IoT Core • Azure IoT • ThingsWorks
Remote Updates	OTA Firmware Updates
Diagnostics	Connection Monitoring & Diagnostics

User Journey

1. Plug in Power supply (9 - 24 v Input)
2. Check NET_MODE Led is blinking ? [Yes, Wait for 5 Minutes]
3. Login to Hive Provisioner
4. Add Device by entering IMEI
5. Your Machine is Live

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