

NETWORK

The fourth industrial revolution boosts smart manufacturing while enhancing efficiency and competitiveness.



DRN 2000
Code 8D5893B

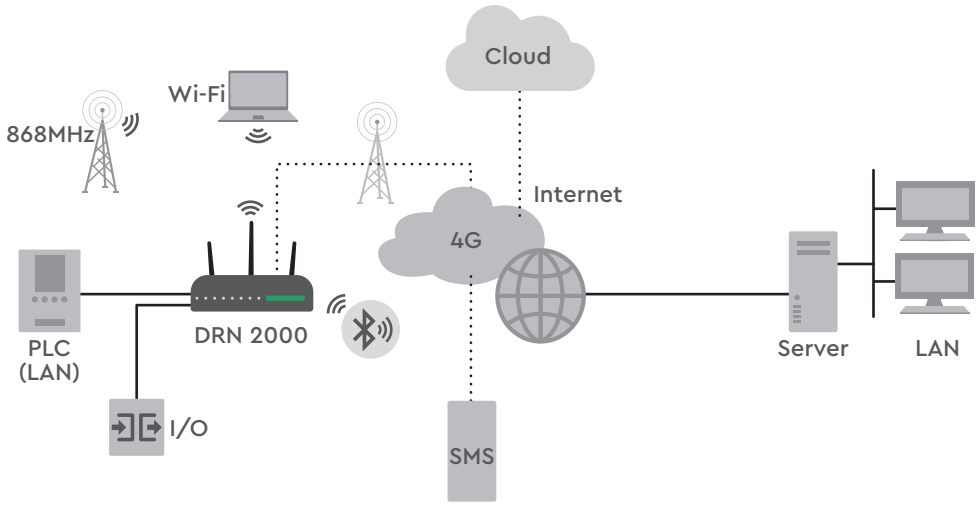
4G Industrial Gateway for IoT Connectivity

- **4G/LTE IoT Router**
- **4G/3G/2G mobile connection**
- **1 10/100 LAN port**
- **Integrated Dual-Band Wi-Fi module**
- **BLE 5.0 interface for sensors**
- **Radio 868MHz interface for sensors**
- **Dual SIM (2FF)**
- **Integrated backup battery**
- **1 RS485 or RS232 serial port**
- **1 digital input**
- **1 relay output**
- **SMS remote management**
- **MQTT support**

DRN 2000 is an industrial gateway designed for advanced remote **monitoring, automation, and IoT connectivity applications**. Developed based on extensive experience in the industrial sector, it represents the technological core of complex connected systems, enabling the integration and management of multiple devices and communication technologies.

The device integrates **cellular connectivity with Dual SIM** support, ensuring operational continuity and reliability even in critical applications. Thanks to support for **Wi-Fi, BLE, and 868 MHz radio**, DRN 2000 enables flexible and efficient connection and management of local devices, sensors, and IoT infrastructures.

The presence of multiple interfaces, including **serial ports and LAN connections**, allows integration with existing industrial systems and telemetry applications, facilitating data collection and transmission from devices installed in the field.



ROUTER

8D5893B _ DRN2000 16/03/2026

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The device is designed to provide **data acquisition, telemetry, and cloud-oriented centralized management**, simplifying the implementation of advanced IoT infrastructures and remote monitoring platforms.

The **integrated backup battery** ensures operational continuity even in the event of a power outage, while **removable external antennas** allow radio performance to be optimized according to installation requirements.

DRN 2000 supports **MiniSIM (2FF)** cards with Dual **SIM functionality for connectivity redundancy and backup**, making it ideal for applications that require high reliability in data transmission.

Advanced features include remote management via SMS and integration with **IoT platforms**, making DRN 2000 a complete solution for **connected industrial systems, telemetry, and advanced IoT applications**.





CONTENTS OF THE PACKAGE

- 8D5893B DRN 2000
- 1 Ethernet cable
- 1 12VDC, 1,5A power supply
- 2 4G antennas
- 1 Wi-Fi antenna
- 3 connectors for terminal block

SPARE PARTS

- 7101002834 – Power supply
- P1348D587800 – Battery
- 7165000934 – Antenna
- 7401001334 – DIN rail mounting bracket

TECHNICAL FEATURES

MOBILE NETWORK

- 4G/LTE-FDD bands: B1/B3/B7/B8/B20 (2100/1800/2600/900/800/ MHz)
- HSPA+/UMTS/WCDMA bands: B1/B5/B8 (2100/850/900MHz)
- GSM/GPRS bands: B3/B8 (1800/900MHz)

SPEED

- 4G/LTE DL150Mbps / UL50Mbps, HSPA+/UMTS/WCDMA DL 21.6Mbps /UL 5.76Mbps

INTERFACES

- 1 RJ45 10/100Mbps LAN port
- 2 Slots for any operators' SIM
- Radio Wi-Fi Dual-Band (2.4/5 GHz) IEEE 802.11a/b/g/n/ac
- 1 868MHz Radio interface for sensors
- 1 BLE interface (Bluetooth)
- 1 Digital input
- 1 Relay output (n.o. and n.c.)
- 1 12VDC – 150 mA output

ANTENNAS

- 2 4G/3G/2G external antennas on SMA connector
- 1 Wi-Fi external antenna on SMA-R connector

OPERATIONS

- Automatic and manual 4G/3G/2G connection
- SMS remote management for Connection (ON/OFF), Status and Reboot
- Roaming can be disabled
- DHCP Server and MAC reservation support
- Periodical Watch Dog with Restart every 24 hours (can be set)
- Upgradable Firmware

POWER SUPPLY

- Power 9–32VDC
- Environmental temperature in operation: from -10°C to +50°C
- Operative humidity: from 20% to 80% non condensing
- Integrated lithium polymer backup battery 3,7 VDC – 4.000mAh

VARIOUS

- Material and Weight: Aluminum, 300gr.
- Size 145 × 100 × 50 mm
- Installation: 35mm DIN guide (not included) or desktop

CERTIFICATIONS

- CE Mark
- RED
- RoHS

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