

NETWORK

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



DRN 3000
Code 8D5893

4G IoT Router

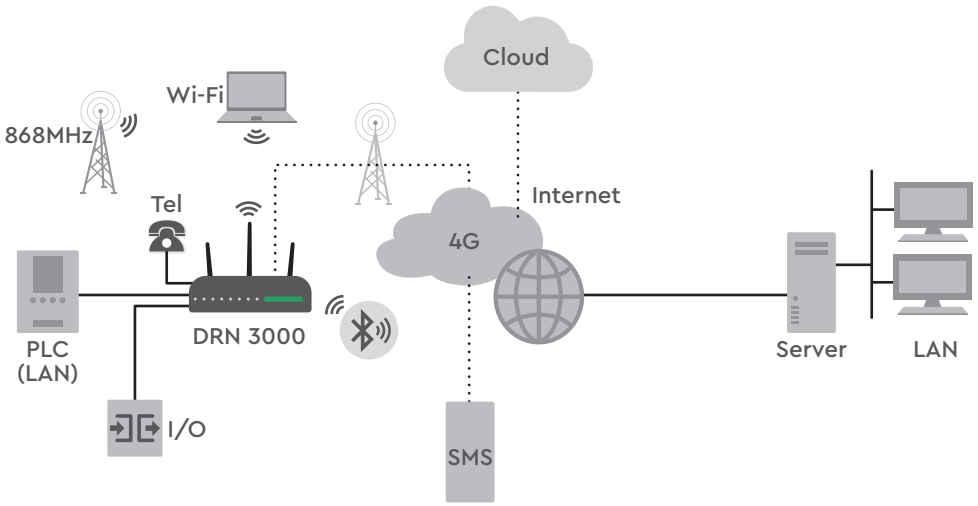
- **4G/LTE IoT Router**
- **4G/3G/2G mobile connection**
- **4G VoLTE Ready**
- **2 FXS Voice ports for voice calls and emernecy systems**
- **1 10/100 LAN port**
- **Integrated Dual-Band Wi-Fi module**
- **BLE 5.0 interface for sensors**
- **Radio 868MHz interface for sensors**
- **Dual SIM**
- **Integrated backup battery**
- **1 RS485 or RS232 serial port**
- **1 digital input**
- **1 relay output**
- **SMS remote management**
- **MQTT support**
- **Custom applications supported**

DRN 3000 is developed by combining all Digicom technologies and experiences gathered over the years in the Industrial sector. Designed to be the **technological core** that connects all present devices and to address a wide range of industrial and IoT applications.

Equipped with Wi-Fi, BLE and 868MHz radio interfaces as well as Input/output, Serial ports, Dual SIM and FXS voice ports it is the ideal solution in integrated and complex feature-rich scenarios, capable of providing data, Cloud oriented telemetries and management, phone and emergency calls.

Built-in Battery backup and detachable antennas do offer mission critical efficiency and seamless deployment during installation.

Only one SIM, or two in case of backup needs, is needed to handle all requirements: from voice support for SOS and periodic calls, to PLC telemetry via LAN.
Advanced features such as remote management via SMS make it particularly suitable for IoT applications.



ROUTER

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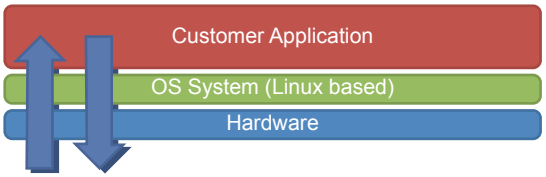
digicom

Special developments have been implemented for the management of the module with the different audio codecs to optimize the passage of DTMF tones reducing their distortions and consequent errors.

Management of the DRN 3000 is completed by Digicom's **Digital Management Platform (DMP)**, which allows the status of the Router to be viewed in order to check its in-service status and/or anomalies, identifies all critical problems and reports faults immediately, with the option of rectifying them remotely.



The use of a multi-level firmware structure also allows the development of custom applications, which through API can interact with the device.





CONTENTS OF THE PACKAGE

- 8D5893 DRN 3000
- 1 Ethernet cable
- 1 Telephone cable with terminals
- 1 12VDC, 1,5A power supply
- 2 4G antennas
- 1 Wi-Fi antenna
- 3 connectors for terminal block

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 FXS ports (for analog phone and intercom)
- 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

PHONE INTERFACE

- Voice Interface: FXS
- AC off-hook impedance: 600 ohm
- On-hook line voltage: 48 VDC
- Off-hook line current: 32mA
- Call type: DTMF
- Ring Voltage: 38 Vac – REN:3

CONNECTION and COMPATIBILITY

- Voice call
- Dialers with alarm transmission and periodical test

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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