



NETWORK

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



DRN 1000
Code 8D5893A

4G Router

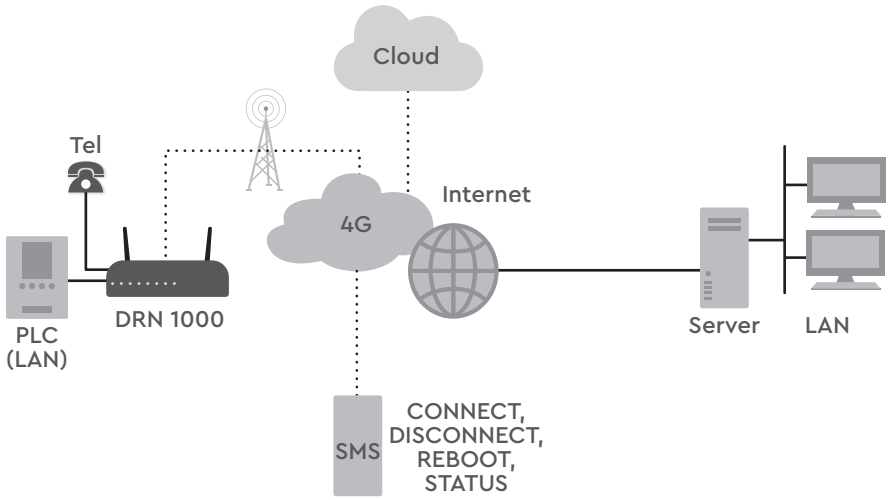
- **Industrial 4G/LTE Router**
- **4G/3G/2G mobile connection**
- **4G VoLTE Ready**
- **1 FXS Voice port for voice calls and emernecy systems**
- **1 10/100 LAN port**
- **BLE 5.0 interface for sensors**
- **Dual SIM**
- **Integrated backup battery**
- **SMS remote management**
- **MQTT support**

DRN 1000 is developed by combining Digicom's technologies and experiences in the Industrial sector. DRN 1000 can support a **wide range of industrial and IoT applications**, despite being an optimized and cost-effective version of the DRN 3000 multi-role LTE router.

Equipped with BLE, Dual SIM and FXS voice port, it is the perfect solution for standard application scenarios, capable of sending data, telemetry and Cloud-oriented management, telephone and emergency calls.
Remote management of Frame Controllers via LAN, enables accurate and targeted verification to quickly diagnose problems and solve them.

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

Dual SIM in case of backup needs is available to handle all requirements: from voice support to PLC telemetry via LAN.
Advanced features such as remote management via SMS make it particularly suitable for IoT applications.



ROUTER

8D5893A DRN1000 25/03/2024

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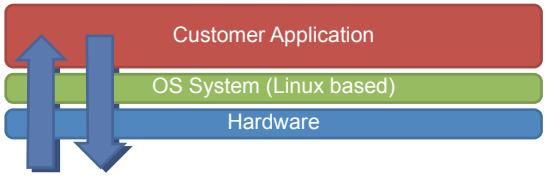
digicom

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 1000 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.





PACKAGE CONTENT
- 8D5893A DRN 1000
- 1 Ethernet cable
- 1 12VDC, 1,5A power supply
- 2 4G antennas

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
- 1 FXS ports (for analog phone)
- 2 Slots for any operators' SIM
- 1 BLE interface (Bluetooth)

ANTENNAS
- 2 (Main + Div) 4G/3G/2G external antennas on SMA 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 – 2.000mAh

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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