Provides a scalable 4GLTE/3G/2G solution for cellular communications over TCP/IP with router, gateway and VPN support functions

Wireless 2G/3G/4G

Ethernet/Serial interface

Redundancy management(SIM)

Optionals I/O

Safe console operation

Remote Management/Integrable in platforms

Very low consumption
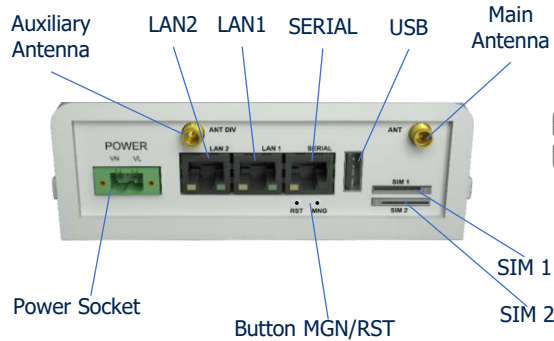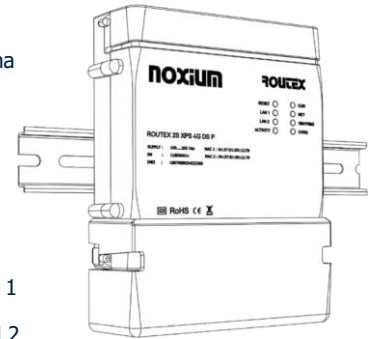
Variety of local accesses

DATA SHEET

Product Images

Dimensions

175 mm
47,5 mm
140 mm

Interfaces Hardware

Auxiliary Antenna
LAN2
LAN1
SERIAL
USB
Main Antenna
POWER VN VL
ANT DIV
LAN 2
LAN 1
SERIAL
ANT
SIM 1
SIM 2
RST MNG
Power Socket
Button MGN/RST
SIM 1
SIM 2

Mural mounting/DIN

Hardware Specifications and Interfaces

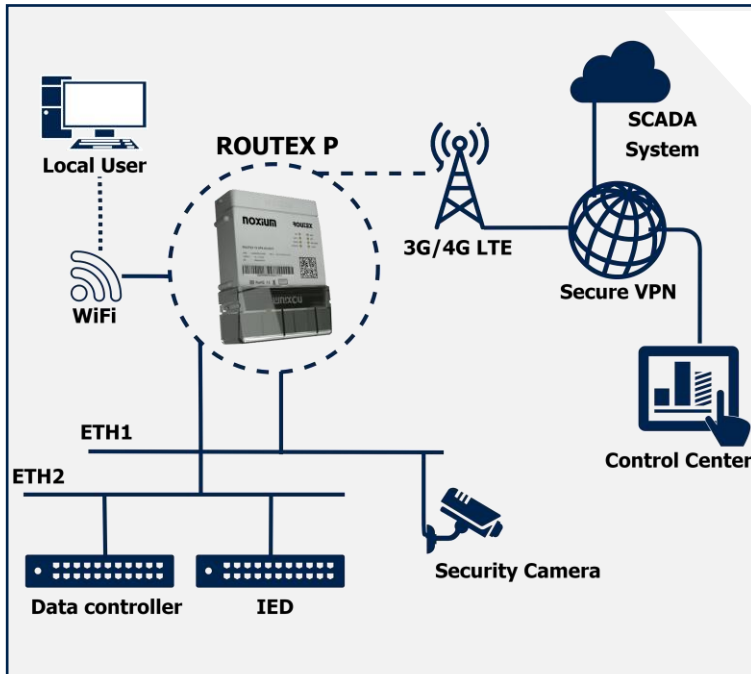|		
Connectivity 4G LTE / 3G / 2G	WiFi b/g/n (opc. In USB port)	Plastic Mural Enclosure + Cable Covers
Ethernet 10/100 Mbps 1 / 2 / 4 /5 Ports RJ45	GPS (opc. In USB port)	With cable cover: 140x175x47,5 mm
RS232 / bus RS485	USB	Weight : 400 grs.
Options Power supply: Universal AC/DC Continuous DC 9-36Vdc Continuous DC 18-72Vdc	1 x SMA F 3G 1 x SMA F 4G	IP 51
2 x DI o 4 x DI + 2 x DO o DB9 + SFP	Single SIM Card o Dual SIM Card	Working Temperature - 40º a 80ºC
8 x Status and operation LEDs	Battery backup (optional)	Mounting bracket: Triangular wall DIN rail

Device for connectivity to cellular mobile networks in Industrial Telecontrol and Supervision applications.

Application Example

Recommended Uses

➔ **Smart Metering**
➔ **Vending Management**
➔ **Smart Building**
➔ **Infrastructure Supervision**
➔ **Environmental Monitoring**
➔ **Smart City**
➔ **Industry 4.0**

4G 3G 2G	Security/ Tunneling/Authentication	SSH HTTPS VPN

It works in "secure connection" mode with monitoring of the links with tunneling, authentication and encryption protocols. Versions are available according to network technology with operator redundancy.

RS232 RS485 Eth	Telemetry Telecontrol Industrial	Power AC/DC

Compact, ergonomic, easy to install, use and diagnose. Robust and compatible in harsh environments such as electrical substations, certified to IEC61000-6-5 as Telecommunications Equipment.

Main Features

- Allows the connection of intelligent devices to the IP world.
- Enables remote management of controllers/registrars with RS232 serial access via RS485 bus or Ethernet network.
- Securely and reliably monitors real-time information of distributed critical facilities and infrastructures.
- Allows efficient management with data automation and data analysis in management platforms.

Supported bands by region

Model	LTE FDD	LTE TDD	WCMA/HSPA	GPRS/EDGE
Q4L (LATAM)	B1/B3/B4/B5/B7/B8/B28	B40	B1/B2/B4/B5/B8	B2/B3/B5/B8
Q4E (Europe & Asia)	B1/B3/B7/B8/B20/B28a	B38/B40/B41	B1/B5/B8	B3/B8
Q4G (Global)	B1/B2/B3/B4/B5/B7/B8/B12/ B13/B18/B19/B20/B25/B26/B28	B38/B39/B40/B41	B1/B2/B4/B5/B6/B8/B19	B2/B3/B5/B8
Q4N (North America)	B2/B4/B5/B12/B13/B14/B66/B71	---	B2/B4/B5	---

Features

Features	LTE FDD	LTE TDD	WCDMA/HSPA	GPRS/EDGE
Speeds	150 (DL)/ 50 (UL)	130 (DL)/ 30 (UL)	384 (DL)/ 384 (UL) 42 (DL)/ 5.76 (UL)	296 (DL)/ 236.8 (UL) 107 (DL)/ 85.6 (UL)
Powers	Max Output Power Class 3 (23dBm±2dB)	Class 3 (23dBm±2dB)	Max Output Power Class 3 (24dBm+1/-3dB)	Max Output Power Class 4 (33dBm±2dB) Class 1 (30dBm±2dB)

Ordering information

Product Code: ROUTEX P – aax – bb – cc – dd – eey – ff – gg – hh – ii

aax*	Wireless connectivity
Q4x	LTE-Cat1
Q4x+	LTE-Cat4

bb	Hardware Version
HE	Standar
HL	Lite

cc	Network Interfaz
1S	1 Network Port
2S	2 Network Port
6S	5 SW +1 Network Port

dd	Serial Interface
CB	1 RS232/485
DB	1 RS232 DB9
C1	1 RS232

x*	Region
E	Europe
L	Latin America
A	North America
G	Global

eeey*	Power
IPS	Universal AC/DC
CPS	Isolate DC 9-36Vdc
EPS	9-36Vdc no isolate
XPS	DC 18-72Vdc
DCS	DC 9-36Vdc

y*	Connector Type
c	Microft 3.0
b	Borna 5.08
e	IEC C8

ff	Duality
SS	Simple SIM
DS	Dual SIM

hh	Auxiliary Module
2I	2 In
2O	2 Outs
BB	1 RS485 Half

gg	Soft package
Vx	Telemetry
Vg	GW 101-104
Vp	GW PRIME

ii	Accessories available
RC	With accessories
XR	Antennas. Specific antennas, check availability
XC	Serial cable
XP	Power cable

Example Product Ordering Code:

ROUTEX P Q4L HE 2S CB IPSe C SS Vx 2I WB XR1	Plastic router with 2G/3G/4G Cat1 radio for bands in South America, equipped with 2 10/100BaseT network ports, an alternative RS232/RS485 port and two potential-free digital inputs. It is powered in alternating from 75 to 265Vac or continuous from 50 to 400Vdc by IEC08 type plug connector with supercap backup for sending events. It has Wifi and bluetooth Internal. Includes antenna type 1 as accessory