



Industrial modem as a highly reliable IP gateway device. Allows remote device management by establishing secure communication networks with serial and TCP/IP interfaces.

Wireless 2G/3G/4G

Redundancy management(SIM)

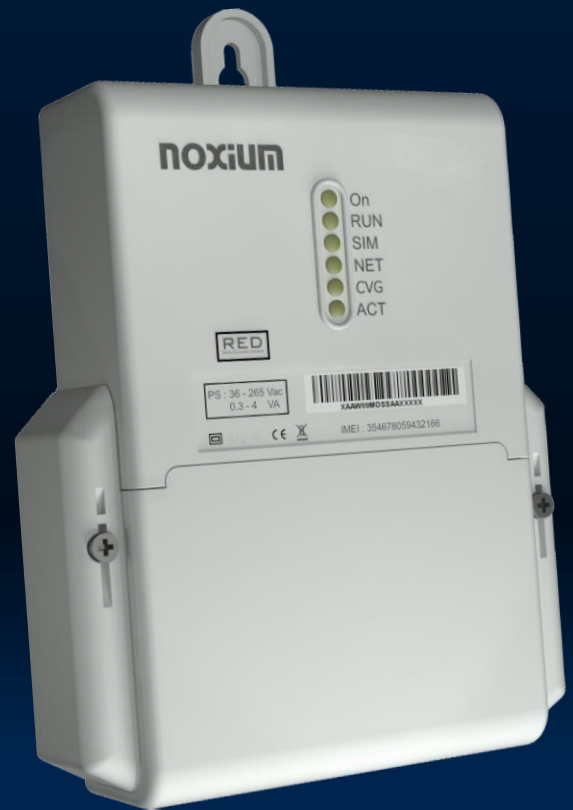
Optional I/O

Secure console management

Remote Management IOT cloud

Very low consumption

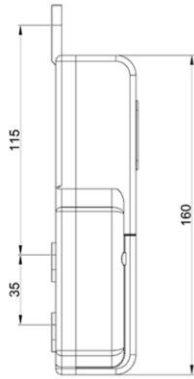
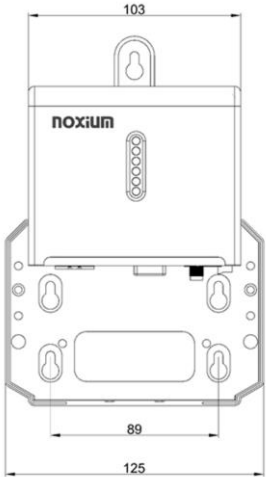
Bus connection multipoint
RS485 o RS232



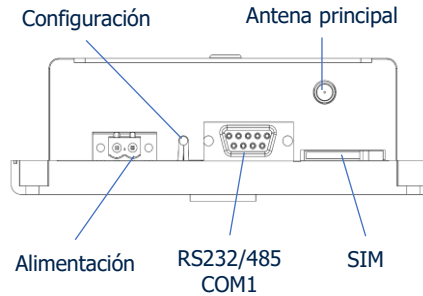
DATA SHEET

Product Images

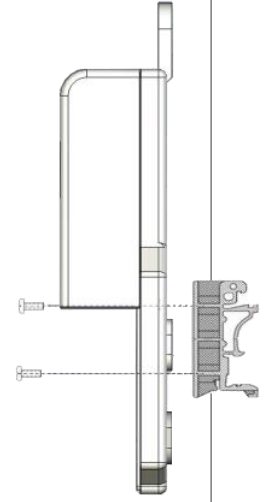
Dimensions



Interfaces Hardware



Mural/DIN Installation



Hardware Specifications and Interfaces



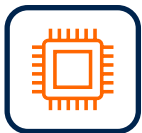
Conectivity
4G LTE / 3G / 2G



1 x SMA F 3G
1 x SMA F 4G



Polycarbonate case
with sealable cover



Embedded Linux Platform



SIM Card 1.8/3v



160x128x40 mm
With cover



Serial Port RS232 y RS485
full/half dúplex
2/4 threads



6 x status and
operational LEDs



Weight: 250 grs.



IPS (50-265Vdc)
CPS (9-36Vdc)
XPS (18-72Vdc)



Wall installation
DIN Rail Accessory



IP 51



Super Capacitor Backup
Optional battery



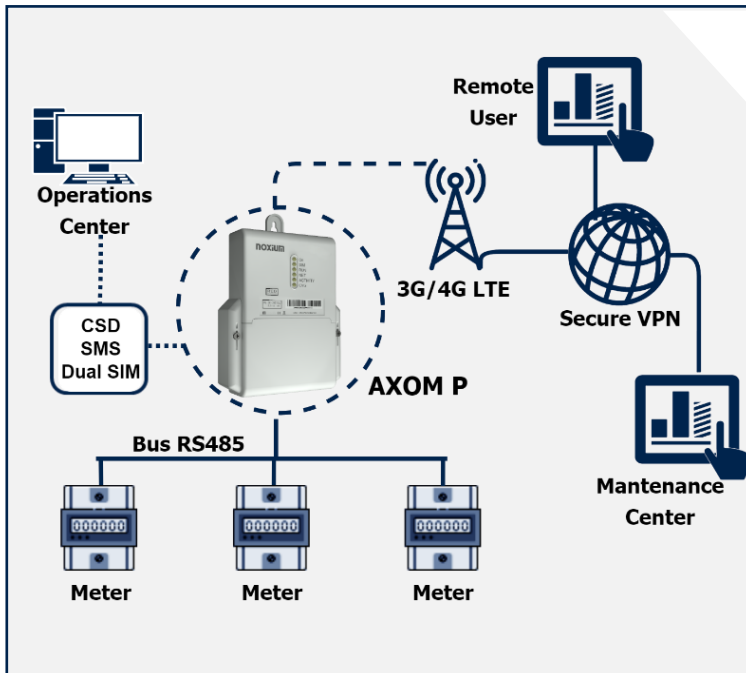
Isolation 3.75kV network
to data



Operation temperature
- 20° a 85°C
HR 98% SC

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

Application Example



Main Uses

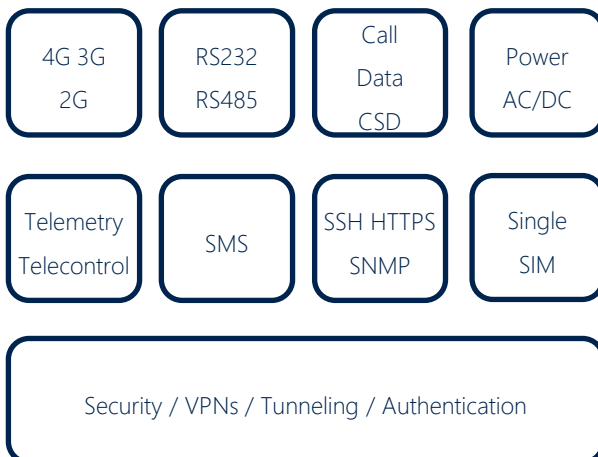
- Smart Metering
- Vending Management
- Smart Building
- Infrastructure Supervision
- Environmental Monitoring
- Smart City
- Industry 4.0

AXOM P enables connectivity to remote devices and real-time information monitoring of the field installations.

With RS485 or RS232 serial multipoint bus connections with intelligent encapsulation of specific protocols enabling transparent datagram integration over cellular networks.

Works in "secure connection" mode, providing permanent availability in wireless networks using a supervised client-server scheme. Compact, ergonomic, easy to install, use and diagnose. Robust, high availability, reliability and security in harsh environments, exceeding immunity and isolation levels of electrical substations with IEC61850.

Main Features



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 (Europa y 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 (Norte América)	B2/B4/B5/B12/B13/B14/B66/B71	---	B2/B4/B5	---

RF Data Performance

Features	LTE FDD	LTE TDD	WCDMA/HSPA	GPRS/EDGE
Throughput	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)
RF Max. Power	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)



Order Information

Product Code: AXOM P– aax – bb – cc – dd – eeey – ff – gg – hh – ii

aax*	Wireless connectivity	bb	V Hardware	cc	10/100BaseT	dd	Serial Com
Q4x	LTE-Cat1	HE	Standard	1S	1 Puerto Red	CB	1 RS232/485
Q4x+	LTE-Cat4	HL	Lite	2S	2 Puertos Red	DB	1 RS232 DB9
						C1	1 RS232
x*	Region	eeey*	Power supply	ff	Redundacy	gg	Soft Pack
E	Europa	IPS	Universal AC/DC	SS	Simple SIM	Vx	Telemetry
L	Latino América	CPS	Continua DC 9-36Vdc	DS	Dual SIM	Vg	GW 101-104
A	Norte América	EPS	9-36Vdc sin aislamiento			Vp	GW PRIME
G	Global	XPS	DC 18-72Vdc				
y*	Connector Type						
c	Microfit 3.0						
b	Borna 5.08IEC cable						
e	IEC C8						
hh	Auxiliar I/O	ii	Accesorios disponibles				
2I	2 Inputs	RC	With accessories				
2O	2 Output	XR	Specific antennas, check availability				
BB	1 RS485 Half	XC	Serial				
		XP	Power cable				

Example Product Code to order:

**AXOM 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

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