



Ultra-compact Modem/Router designed for secure data transport in Hard EMC Environments.

High availability and reliability

Wireless 2G/3G/4G programable

Ethernet/Serial interfaces

Redundancy Management (SIM)

Remote Management / IoT cloud

Very low consumption

Fast Installation without tools

Optional I/O



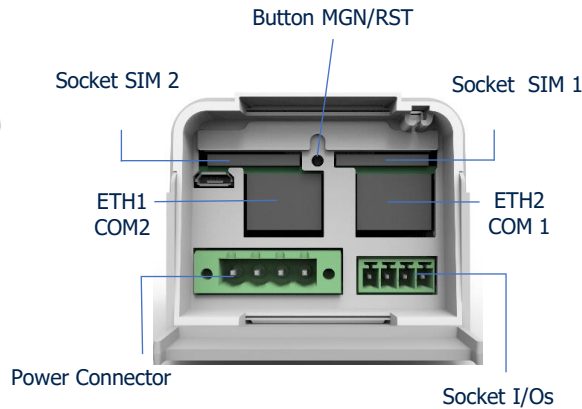
DATA SHEET

Product Images

Dimensions



Interfaces Hardware



Mural/DIN Mount



Hardware Specifications and Interfaces



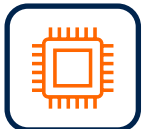
Connectivity
4G LTE / 3G / 2G



SMA connectors for external antennas
Main+ diversity



Polycarbonate case
with sealable cover



Embedded Linux Platform



SIM Card 1.8/3v



130x60x48 mm
HxWxD with cover



Serial Ports RS232 / RS485
full/half duplex
10/100BaseT Eth ports



6 x status and
operational LEDs



Weight: 150 grs.



IPS (75-265Vac/60-380Vdc)
CPS (9-36Vdc)
XPS (18-76Vdc)



Wall installation
DIN Rail Accessory



IP 54 with Cover



Super Capacitor Backup
Optional battery



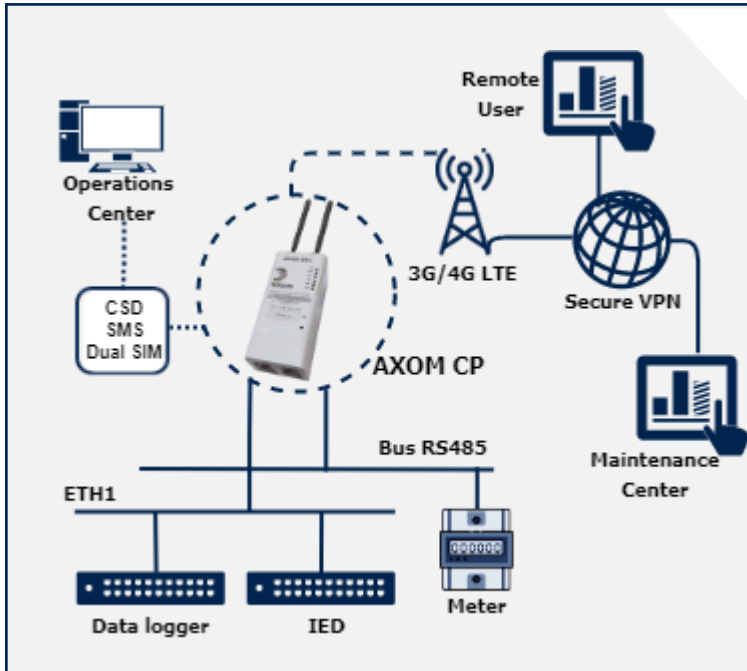
Firewall and secure
connections



Operation Temperature:
- 20° a 85°C
HR 98% SC

Connectivity to cellular networks in Industrial Applications for Remote Control and Supervision

Application Example



Main Features

- Enables 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 from distributed critical facilities and infrastructures.
- Enables efficient management with data automation and data analysis in management platforms.

Main 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.



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	---

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 CP – aax – bb – cc – dd – ee – ff – gg – hh – ii

aax*	Wireless connectivity	bb	V Hardware	cc	10/100BaseT	dd	Serial Com
Q4x	LTE-Cat1	HL	Standard	1S	1 Eth Port	CB	1 RS232/485
Q4x+	LTE-Cat4			2S	2 Eth Ports	DB	1 RS232 DB9
x*	Region	eeey*	Power Supply	ff	Redundancy	gg	Soft. Pack
E	Europe	IPS	Universal AC/DC	SS	Simple SIM	Vx	Telemetry
L	Latam	CPS	DC 9-36Vdc	DS	Dual SIM	Vg	GW 101-104
A	USA	EPS	DC 9-63Vdc				
G	Global	XPS	DC 18-72Vdc				
y*	Connector Type						
c	Microfit 3.0						
b	Borna 5.08						
e	IEC C8						
hh	Auxiliar I/O	ii	Accessories				
2I	2 Inputs	RC	With accessories				
2O	2 Output	XR	Specific antennas, check availability				
		XC	Serial				
		XE	Eth cable				

Example Product Code to order

**AXOM CP Q4L HL 2S IPS
SS Vx 2I XR1**

Plastic router with 2G/3G/4G Cat1 radio for bands in LATAM, equipped with 2 10/100BaseT network ports and two digital inputs. It is powered in AC from 75 to 265Vac or DC from 50 to 400Vdc by plug connector type IEC08. Includes type 1 antenna as an accessory

