

# Mesh Gate 6424-XL & Mesh Node-XL <sup>1)</sup>

## EXTRA LONG RANGE

**Mesh Gate 6424-XL:** Stand-alone gateway which manages the wireless network and collects data periodically sent by the EMN, Wi-Zone and/or Wi-Pulse devices. The Mesh Gate 6424-XL family is split into three options according to the number of end nodes allowed in the network.



Description	Maximum number of Nodes
Mesh Gate 6424 10-XL (ID 170)	10
Mesh Gate 6424 100-XL (ID 200)	100
Mesh Gate 6424 200-XL (ID 220)	200



**Mesh Node-XL:** Network repeater allowing extended distance between the EMN, Wi-Zone and/or Wi-Pulse devices and the Mesh Gate. A Mesh network provides redundant data paths to the gateway.



### Features

- Mesh, Star and Star-Mesh Network topologies
- Interface RS 232 Modbus RTU (Gateway only) <sup>2)</sup>
- RF frequency range <sup>3)</sup>

2405 .. 2480	MHz
802.15.4	

  - ◆ Programmable in 16 channels
  - ◆ Channel spacing 5 MHz
  - ◆ Unlicensed ISM band worldwide
- Range between Mesh Node-XL and Mesh Gate 6424-XL
 

(indoor, line of sight)	260	m
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- Range to EMN (indoor, line of sight)
 

	25	m
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- Data rate
 

	250	kbps
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- Power supply voltage AC adaptor (see page two)
 

	6 to 30	V DC
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- RF output power
 

	max 20 dBm (100mW)
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### General data

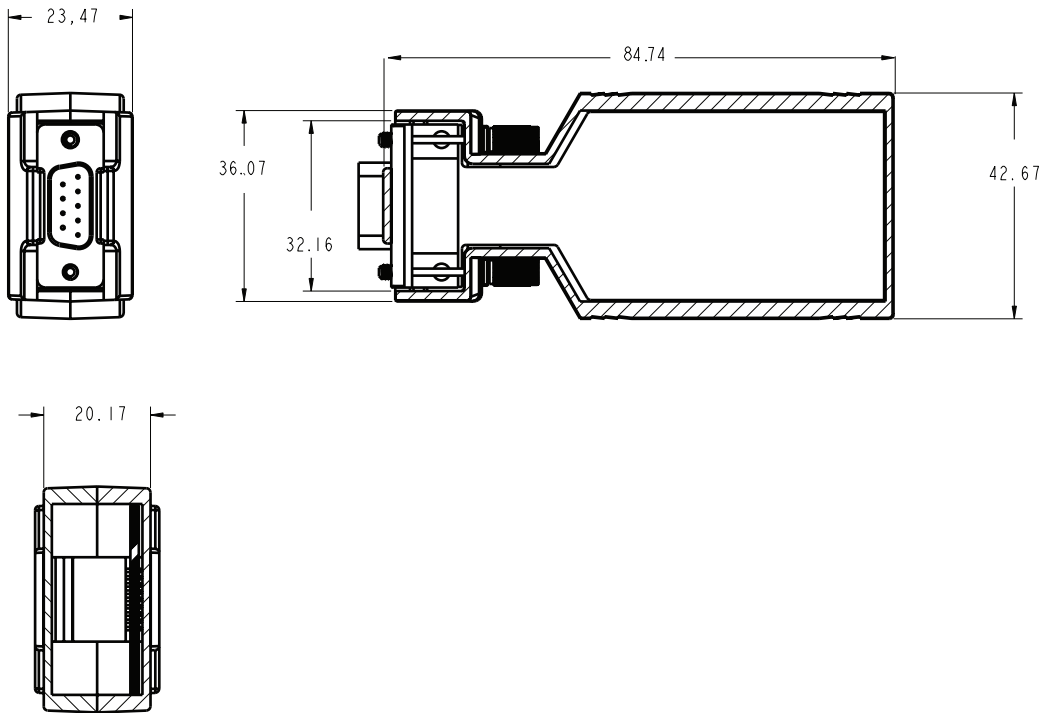
$P_C$	Power consumption	200	mA
$T_A$	Ambient operating temperature	- 10 .. + 55	°C
$T_S$	Storage temperature	- 25 .. + 85	°C
$m$	Mass Mesh Gate 6424-XL	60	g
	Mesh Node-XL	151	g

**Notes:** <sup>1)</sup> For XL model, check that the country regulation allows up to 100 mW. RF power.

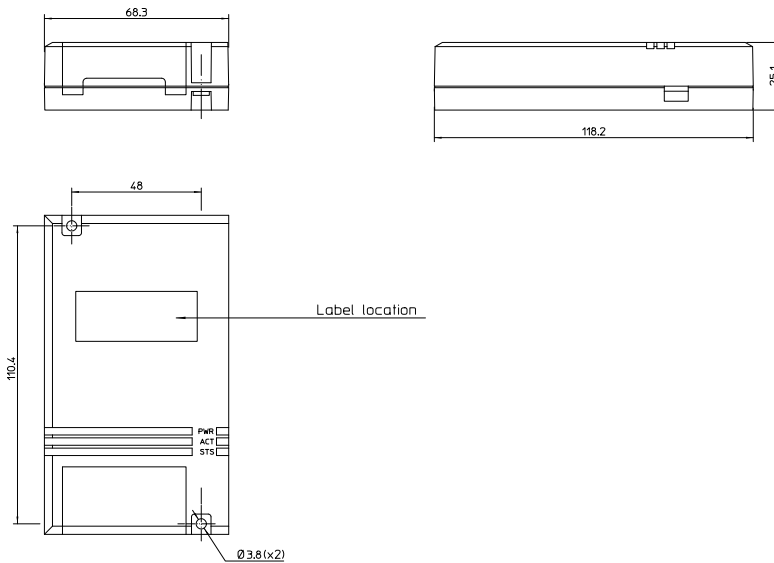
<sup>2)</sup> For more information, see WI-LEM user guide

<sup>3)</sup> RF Certifications: CE, FCC, IC.

### Mesh Gate 6424-XL (in mm. 1mm = 0.0394 inch)



### Mesh Node-XL (in mm. 1mm = 0.0394 inch)



### Power Supply: AC Adaptor

Please order separately the Mesh Gate 6424 -XL & Mesh Node-XL AC Power Supply according to the table below:

Reference	Description	LEM code
AC Adaptor EU	AC Power Supply for EU	90.D2.98.004.0
AC Adaptor UK	AC Power Supply for UK	90.D2.98.005.0
AC Adaptor US/JP	AC Power Supply for US & Japan	90.D2.98.003.0