

Mesh Gate 6424-L & Mesh Node-L Long Range

Mesh Gate 6424-L: 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-L 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-L (ID 170)	10
Mesh Gate 6424 100-L (ID 200)	100
Mesh Gate 6424 200-L (ID 220)	200



Mesh Node-L: 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) ¹⁾
- RF frequency range ²⁾

2405 .. 2480	MHz
802.15.4	

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

(indoor, line of sight)	140	m
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- Range to EMN (indoor, line of sight)

30	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

10 dBm (10mW)	
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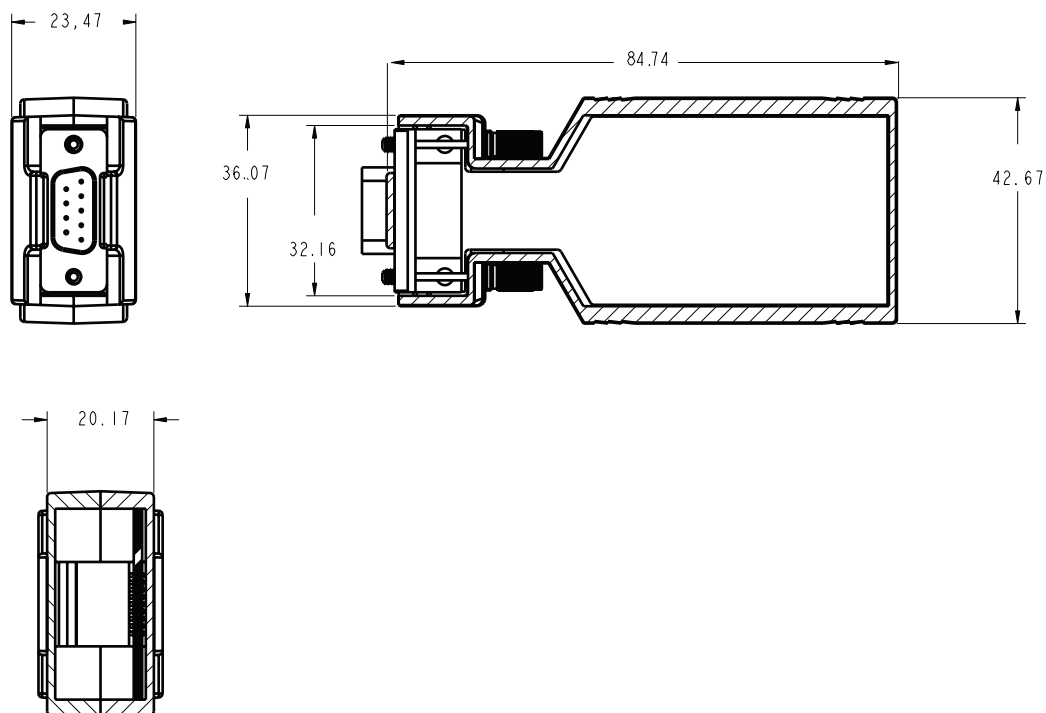
General data

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-L	60	g
	Mesh Node-L	151	g

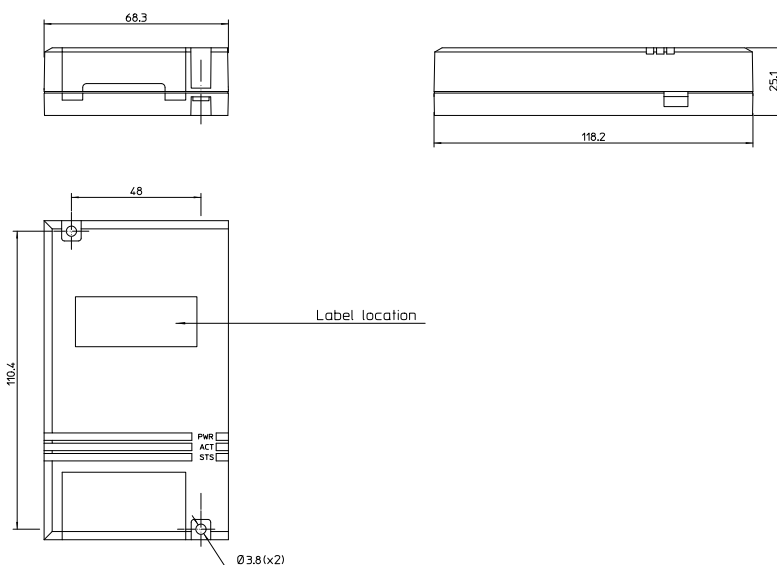
Notes: ¹⁾ For more information, see WI-LEM user guide

²⁾ RF Certifications: CE, FCC, IC.

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



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



Power Supply: AC Adaptor

Please order separately the Mesh Gate 6424-L & Mesh Node-L 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