



Wattstopper
DLM WIRELESS 6LoWPAN BORDER ROUTER w/LMPB-100
Part No. LMBR-650



The wireless border router manages the creation and configuration of the IPv6 Mesh wireless network for up to 50 DLM Wireless bridge and 250 total devices, and provides network connectivity via wired Ethernet to a local area network (LAN). LMBR-650 devices connect to the border router or to each other to establish mesh routing paths. The border router is quickly commissioned using LMCS Configuration Software and also provides live information about the health of the mesh network in the form of signal quality, device status, network status, and other real-time network information. Wireless communication uses AES 128-bit encryption.

Features & Benefits

Uses IPV6 Mesh to establish network communication with DLM wireless devices

Provides self forming mesh network for up to 50 DLM Wireless bridges and 250 total devices

Supports BACnet integration, scheduling, and demand response

Trusted hardware chips prevent any non-DLM devices from being able to connect to the wireless lighting control network

Dual internal antennas with diversity provide robust signal strength and reliable communication

Single Ethernet port for LAN connectivity and management

Includes out-of-box wireless AES 128-bit encryption

Specifications

General Info

Product Line	Wattstopper	Color	White
Finish	Gloss	UPC Number	754182943203
Country Of Origin	China	Material	ABS
Product Series	LMBR	Features	Wireless
Installation Location	Ceiling	Included	Bracket, Cable Tie, LMPB-100, Mounting Screws, Power Adapter
Application Sector	Commercial	Standard	UL 2043, RoHS, FCC part 15
Warranty Type	5-Year	Type	Network Router

Dimensions

Product Width US	4.4 in	Product Weight US	0.6 lb
Product Volume US	174.0 cu in	Product Depth US	1.2 in
Product Height US	6.8 in		

Additional Information

RoHS Compliant	Yes	Security	Yes
----------------	-----	----------	-----

Technical Information

Operating Temperature Min	32 °F	Compatibility	DLM Wireless (IPv6)
Number of Connections	1	Security Method	Data Encryption
Protocol	BACnet	Frequency Band	2.4 GHz
Operating Temperature Max	131 °F	Wireless Range	IPv6 6LoWPAN, up to 100 ft
Data Transfer Rate	156 Kbps	Topology	Wireless Mesh
Indicator	Device Status LED, Network Status LED, Power LED	Antenna	Integrated, Internal
Connector Type	RJ-45	Input Voltage	24 VDC
Indoor/Outdoor	Indoor	Mounting Type	Surface
Current Draw	65 mA	Operating Temperature	32°-131°F
Operating Humidity	5-95% RH (Non-Condensing)	Antenna Pattern	Omni-directional
Encryption	AES 128-bit	Storage Temperature	23° - 176° F