

## SensiNet Ethernet Bridge

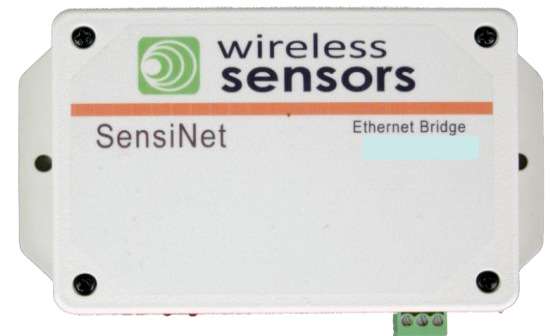
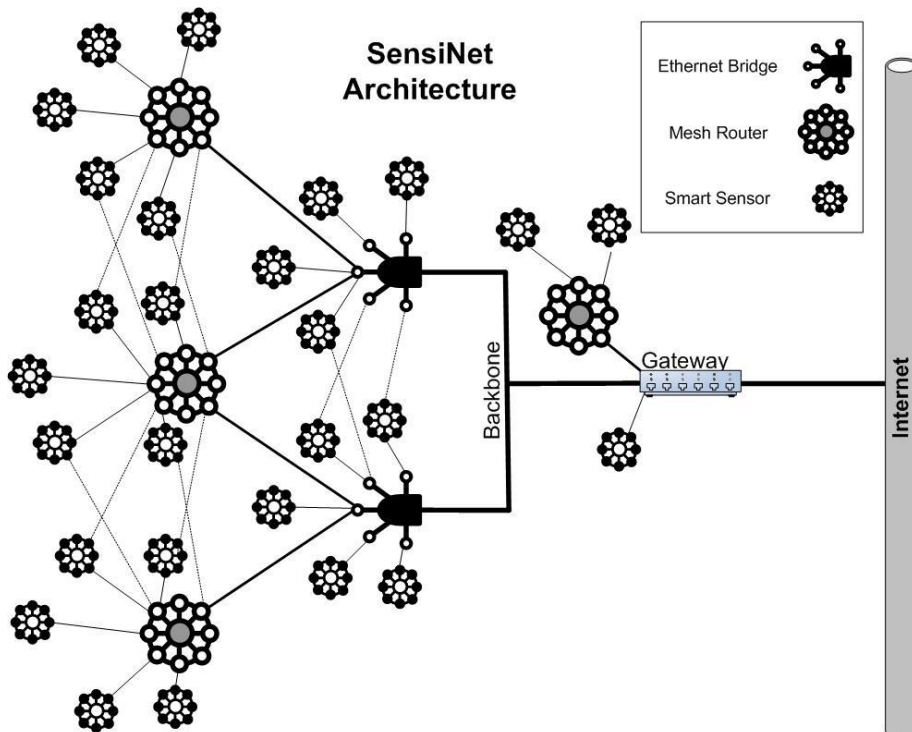
### PRODUCT OVERVIEW

The SensiNet BRDG-1221 is a component of the SensiNet system which acts as a “bridge” between clusters of Smart Sensors, Mesh Routers and the Services Gateway. It leverages standard ethernet cabling allowing a “multi-cluster” network to exist across remote radio spaces yet providing a single point of integration and management of all sensor data. Up to 5 BRDG-1221’s can be supported by a single Services Gateway (GWAY-2100)

The BRDG-1221 maintains both primary and secondary connections with other SensiNet devices to assure total reliability and redundancy, It can be powered by 6-36 VDC connected to removable terminal blocks or by the optional AC/DC power adapter.

The BRDG-1221 and GWAY-2100 are field configurable for IP addressing allowing ease of deployment on corporate LAN’s.

Radio Specifications	
Radio	IEEE 802.15.4 compliant, 2.4 GHz DFSS
Regulatory	FCC Part 15 and CE Approval
Antenna	Internal antenna
Output power	15 dBm
Range	<ul style="list-style-type: none"> <li>• Up to 700 ft/212m range (outdoor, line of sight)</li> <li>• Up to 230 ft/70m range (typical indoor conditions)</li> </ul>
Operating temperature	-10° C to 50° C
Operating humidity	Up to 100% non-condensing
Power Options 0.6 Watts	<ul style="list-style-type: none"> <li>• 6-36 VDC through removable terminal block</li> <li>• 12 VDC Barrel connector (AC converter optional)</li> <li>• 5 VDC Standard “B” USB Connector</li> </ul>
Network Capacity	Up to 200 nodes across 5 bridges in any combination
Network Connection	Ethernet RJ-45
LED	Diagnostic LED indicating power/connectivity
Dimensions	<ul style="list-style-type: none"> <li>• 5.125” x 3.00” x 1.5”</li> <li>• 131 mm x 77 mm x 39 mm</li> </ul>
Packaging	ABS Box - IP30 rated
Mounting options	• Surface flange mounting



Model: BRDG-1221