




IoT Devices

Laird Connectivity's IoT Devices extend our industry-leading wireless expertise to off-the-shelf sensors and gateways. Our solutions help customers quickly, reliably, and securely deploy industrial, medical, or smart building IoT applications. Choose from a variety of battery-powered, wireless, environmental, or probe sensors using LoRaWAN or Bluetooth 5, and keep control of your data from sensor to cloud with our gateways' native integrations to your cloud platform, including AWS, Azure, The Things Network, Actility, and others.

Gateways

				
	Sentrius™ IG60-SERIAL / IG60-SERIAL LTE	Sentrius™ IG60-BL654 / IG60-BL654-LTE	Sentrius™ RG1xx Gateway and RG191 + LTE (US only)	MG100 Micro Gateway
Chipset	Microchip SAMA5D36 Cortex and Marvell 88W8997/88PG823 (LTE version: Gemalto PLS62-W)	Microchip SAMA5D36 Cortex, Nordic nRF52840, Marvell 88W8997/88PG823, (LTE version: Gemalto PLS62-W)	Semtech Sx1301/1257, CSR8811, QCA6004 (LTE version: Quectel EG91-NA)	Sierra Wireless HL7800, Nordic nRF52840, Cortex-M4F Microcontroller
Wireless Protocol	Wi-Fi + BT5 (LTE coming soon)	Wi-Fi + BT5 (dedicated co-processor) LTE Available (IG60-BL654-LTE)	LoRaWAN + BT/BLE + Wi-Fi (Optional LTE Cat 1, US only)	LTE-M, Bluetooth LE, NFC
Size (mm)	85 x 22 x 100	85 x 22 x 100	133 x 275 x 30	110.28 x 99.16 x 35.32
Operating Temperature Range	-30° to +85°C (-22° to +185° F)	-30° to +85°C (-22° to +185° F)	-30° to +70°C	-40° to +80°C
Software	Laird Linux, AWS IoT Greengrass, Smartphone app	Laird Linux, AWS IoT Greengrass, Smartphone app	Onboard configuration and management software	Configurable via Pinnacle Connect app (iOS / Android)
Certifications	FCC, IC, CE, UL/IEC62368	FCC, IC, CE, UL/IEC62368	FCC, IC, CE, ASNZS, NCC	FCC, ISED, CE, PTCRB, GCF, AT&T

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Sensors



	Sentrius™ RS1xx Temp Sensor	Sentrius™ RS1xx and External Temp Probe	Sentrius™ RS1xx and RTD Smoker Temp Probe	Sentrius™ RS1xx and Open/Close Sensor	Sentrius™ BT510 Sensor	Sentrius™ BT7x0 Tracker
Chipset	Semtech Sx1272 and Nordic nRF51822	Semtech Sx1272 and Nordic nRF51822	Semtech Sx1272 and Nordic nRF51822	Semtech Sx1272 and Nordic nRF51822	Nordic nRF52840	Nordic nRF52833
Wireless Protocol	LoRaWAN + BLE	LoRaWAN + BLE	LoRaWAN + BLE	LoRaWAN + BLE	Bluetooth 5	Bluetooth 5
Size	116 mm x 91 mm x 34 mm	116 mm x 91 mm x 34 mm	116 mm x 91 mm x 34 mm	116 mm x 91 mm x 34 mm	80 mm x 51 mm x 19mm	46 mm x 62 mm x 20 mm
Operating Temperature Range	-25° to +50°C	-25° to +50°C (external probe capable of -55 to +125°C)	-25° to +50°C (external RTD probe capable of -40 to +180°C)	-25° to +50°C	-20 to 60°C (-40 to 85°C with alternate battery)	-10° to +60°C
Software	Smartphone app for sensor configuration and monitoring	Smartphone app for sensor configuration and monitoring	Smartphone app for sensor configuration and monitoring	Smartphone app for sensor configuration and monitoring	Temperature, Acceleration, Proximity, and Contact Sensing	Proximity sensor with TruePoint Diversity Antenna System (TDAS)
Certifications	FCC, IC, CE, ASNZS, NCC, and Bluetooth SIG	FCC, IC, CE, ASNZS, NCC, and Bluetooth SIG	FCC, IC, CE, ASNZS, NCC, and Bluetooth SIG	FCC, IC, CE, ASNZS, NCC, and Bluetooth SIG	FCC, IC, CE, MIC, RCM, Bluetooth SIG	FCC, ISED, CE (pending)