

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, Activity, 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, ISCED, CE, PTCRB, GCF, AT&T

IoT Devices

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Sensors



	Sentrius™ BT610 I/O Sensor	Sentrius™ BT510 Sensor	Sentrius™ BT7x0 Tracker	Sentrius™ RS1xx Temp Sensor	Sentrius™ RS1xx and External Temp Probe	Sentrius™ RS1xx and RTD Smoker Temp Probe	Sentrius™ RS1xx and Open/Close Sensor
Chipset	Nordic nRF52840	Nordic nRF52840	Nordic nRF52833	Semtech Sx1272 Nordic nRF51822	Semtech Sx1272 Nordic nRF51822	Semtech Sx1272 Nordic nRF51822	Semtech Sx1272 Nordic nRF51822
Wireless	Bluetooth 5	Bluetooth 5	Bluetooth 5	LoRaWAN + BLE	LoRaWAN + BLE	LoRaWAN + BLE	LoRaWAN + BLE
Sensor Type	Generic I/O + Temp, AC Current, Ultrasonic, Pressure (via ext. assemblies)	Temp, Acceleration, Proximity, Magnetic Reed Switch	Proximity to other BT7x0 with TruePoint Diversity Antenna System (TDAS)	Temperature	Temperature (via external temp probe)	Temperature (via RTD Temp Probe)	Door Open/Closed
Size (mm)	126.5 x 81.5 x 40	80 x 51 x 19	46 x 62 x 20	116 x 91 x 34	116 x 91 x 34	116 x 91 x 34	116 x 91 x 34
Operating Temperature Range	-40°C to +85°C (ext. thermistor probe -40°C to +125°C)	-20 to 60°C (-40 to 85°C w/ alternate battery)	-10° to +60°C	-25° to +50°C	-25° to +50°C (external probe -55 to +125°C)	-25° to +50°C (ext. RTD probe -40 to +180°C)	-25° to +50°C
Software	Zephyr RTOS + Smartphone app for config and monitoring	Smartphone app for config and monitoring	Smartphone app for config and monitoring	Smartphone app for config and monitoring	Smartphone app for config and monitoring	Smartphone app for config and monitoring	Smartphone app for config and monitoring
Certifications	FCC, IC, CE and RCM, MIC and BT SIG	FCC, IC, CE, MIC, RCM, BT SIG	FCC, ISED, CE (pending)	FCC, IC, CE, ASNZS, NCC, and BT SIG	FCC, IC, CE, ASNZS, NCC, and BT SIG	FCC, IC, CE, ASNZS, NCC, and BT SIG	FCC, IC, CE, ASNZS, NCC, and BT SIG