Antenna Solutions for the Connected World

Heilind Electronics is a customer-centric distributor offering a broad selection of antenna solutions for all common antenna protocols and frequencies – from some of the industry's leading suppliers. We deliver with an unmatched level of personalized service and inventory to ensure you receive the right parts, for the right job, when you need them.

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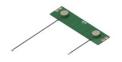
Internal - Embedded Board Level

Common Protocols	Amphenol Procom	Molex	L-com	Radiall	TE Connectivity
5G		X			X
4G / LTE Cellular		X			X
WLAN/Wi-Fi/WiMAX		X	X		X
Bluetooth/Zigbee		X	X		X
LP WAN (includes LoRa/SigFox)		X	X		X
GNSS/GPS (L1, L2, L5)	X	X	X		X
Combo Configurations		X	X		X
NFC (RFID, Quick Pay)		X			
Ultra Wide Band (UWB)		X			X
Industrial Scientific Medical (ISM)		X	X		X
DSRC		X			X
V2X		X			X
Other or Custom	X	X	X	X	X

Heilind offers a broad selection of internal and external antennas – representing the most commonly recognized names in antenna solutions. Utilized in a multitude of applications and form factors, internal and external antennas provide design flexibility regardless of the product or function. Internal applications are where an antenna is located inside a device, usually embedded on a board, and not visible. An external antenna is primarily visible and located outside a device.

Internal & External Antenna Applications

5G / 4G / 3G / LTE Cellular
Available in multiple form factors to enable cellular communications in devices across a multitude of platforms.

WLAN/ Wi-Fi / WiMAX / Bluetooth/ Zigbee
These protocols utilize the most popular frequency bands, enabling Internet of Things (IoT) devices with fast easy integration into connected systems.

LP WAN (includes LoRa/SigFox)
Compact low-power Wide Area Network (WAN) antennas for IoT device frequencies using protocols including LoRa, SigFox and ZWave.

GNSS/GPS (L1, L2, L5)
Compact ceramic antenna solutions that integrate easily into high-performance GPS applications.

Combo Configurations
Providing flexibility, combo antennas can receive and transmit signals simultaneously from multiple wireless technologies and are utilized in a number of devices requiring flexibility.

NFC (RFID, Quick Pay)
Maximizes quick, 2-way read/write operations over a range of detection distances, making them ideal for payment systems, RFID and device-pairing applications.

Ultra Wide Band (UWB)
Short-range, wireless communication protocol that operates through high frequency radio waves. Ideal for computing devices and Internet of Things (IoT) peripherals.

Industrial Scientific Medical (ISM)
The ISM antenna operates at frequency spectrums reserved for industrial, scientific and medical (ISM) purposes.

External

Common Protocols	Amphenol Procom	Molex	L-com	Radiall	TE Connectivity
5G	X	X	X	X	X
4G / LTE Cellular	X	X	X	X	X
3G	X		X	X	X
WLAN/Wi-Fi/WiMAX	X	X	X		
Bluetooth/Zigbee	X	X	X	X	X
LP WAN (includes LoRa/SigFox)	X	X	X	X	X
GNSS/GPS (L1, L2, L5)	X	X	X	X	X
Combo configurations	X	X	X	X	X
NFC (RFID, Quick Pay)	X	X	X		
Ultra Wide Band (UWB)	X		X	X	X
Industrial Scientific Medical (ISM)	X	X	X	X	X
DSRC		X	X	X	X
V2X			X	X	X
VHF/UHF	X		X	X	X
AM/FM	X		X	X	X
XM/Sirius			X	X	X
Satellite			X	X	
SCADA (Supervisory Control And Data Acquisition)	X		X	X	
Other or Custom	X	X	X	X	X

Internal & External Antenna Applications (continued)

DSRC

Dedicated Short-Range Communications (DSRC) enables short range communication without cellular or other infrastructure. Ideal for mobile radio and intelligent transportation systems.

V2X

Vehicle-to-everything (V2X) technology is utilized for real-time non-line-of-sight capabilities and autonomous driving functions.

V/UHF

VHF (Very High Frequency) and UHF (Ultra High Frequency) are most commonly utilized for wireless microphones, cordless telephones, walkie-talkies, and radio controlled toys.

AM/FM

AM (Amplitude Modulation) and FM (Frequency Modulation) are types of frequency modulations commonly used for radio transmissions.

XM/Sirius

Radio frequencies transmitted from satellites to radio receivers on the ground programmed to receive and unscramble digital data. Primarily used for digital radios.

Satellite

Broadcast frequencies transmitted from satellites in orbit to ground. Primarily used for digital television transmissions.

SCADA

Supervisory Control and Data Acquisition (SCADA) is a system to monitor and control field devices at remote sites. Used to monitor the transmission of electricity, transportation of gas/oil, water distribution, and traffic lights.

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Custom Antenna Solutions

Do you need help designing in a standard / off the shelf antenna or need a custom antenna solution? In addition to having the broadest selection of off-the-shelf antennas, Heilind can help design a custom antenna to meet your individual needs. Heilind works directly with many of the leading antenna manufacturers and can help facilitate a custom antenna design for your next project.

About Heilind

Heilind represents world class manufacturers offering a variety of antenna solutions to meet your needs.

As a privately-held, family-run company, we have the strength and flexibility to run our business for long-term success rather than short-term gain. Our business is built upon creating deep, trusting relationships — a refreshing attitude that is not found in many businesses today.

This family spirit thrives throughout the organization. In a time when employee longevity is measured in months, not years, we have many loyal staff members who have been with us for 10, 20, and even 30+ years. The result is our customers work with some of the most experienced and knowledgeable people in our industry.

In addition to our broad inventory and supply chain management systems, we offer an unmatched level of customer support and category expertise. And, we've been told, we deliver that support in a way that makes our customers feel like they're part of our family, too.

Interested in a partnership-driven distributor relationship? Give us a call.

Heilind Electronics

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Founded in 1974, Heilind has locations throughout the U.S., Canada, Mexico, Brazil, Germany, Singapore, Hong Kong, and China. We focus on connectors, relays, sensors, antennas, switches, thermal management and circuit protection products, terminal blocks, wire and cable, wiring accessories, and insulation and identification products from over 150 leading manufacturers.

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