



Media Release

Date 10th December 2024

Antenova launches Inpai, a small cellular antenna covering the most used 4G bands worldwide.

Hatfield, UK - Antenova Ltd, the UK-based manufacturer of antennas and RF antenna modules for M2M and the IoT markets, announces the arrival of Inpai – an SMD cellular antenna designed for NB-IoT and CATM on 4G/LTE networks.

Inpai measures 35mm x 8mm x 3.3mm with a clearance of 40mm x 13mm. Optimal performance requires the antenna to be positioned along the short end of a 105mm x 40mm size PCB. The compact size follows AT&T's standardized Small Form Factor (<107mm) requirements for certification in North America.

Multi-band efficiency is impressive and assists with positive results of PTCRB certification testing.

698-960MHz	56%	2300-2400MHz	52%
1710-2170MHz	66%	2500-2690MHz	53%

Inpai is best suited for NB-IoT and CATM on 4G/LTE networks as CATM and NB-IoT offer low data rates and a large coverage area. This cellular antenna is compatible with several additional wireless technologies that can handle large amounts of data, broader cover, and increase download speed, such as LTE, GSM, CDMA, DCS, PCS, WCDMA, UMTS, HSPDA, GPRS, EDGE, IMT.

Antenova simplifies the design cycle process by the provided reference design which includes a matching network circuit. Inpai (P/N SR4L099) is an excellent choice for the most used 4G antenna applications including telematics, cellular WiFi hotspots, IoT (Internet of Things), M2M (Machine to Machine), drone communications, POS (Point of Sale) terminals.

Antenova's engineering and design team continue their philosophy of Design for Integration (DFI) where the design approach is to create an antenna that a product designer can place on a PCB and conveniently integrate with the other circuits, rather than designing a product to fit around the antenna. The Inpai antenna is the latest in Antenova's family of lamiiANT antennas which are manufactured from high-grade dielectric constant laminate substrates.

Inpai (P/N SR4L099) wireless antenna is available to order from authorized distributors - <https://www.antenova.com/distributors/>.

About Antenova

Antenova Ltd is a leading developer and supplier of high-performing integrated antennas and RF solutions for wireless communication, consumer electronics, and M2M devices.

Antenova's broad range of standard antennas and RF modules are ideally suited for GSM, CDMA, 3G, 4G, LTE, 5G-NR, NB-IoT, GPS, GNSS, WiFi, Bluetooth, ZigBee, LP-WAN, LoRa, Sigfox, Weightless-P and ISM, for M2M and IoT applications.

One of Antenova's latest antennas, the Robusta chip antenna from the company's ROBUSTA range, for use on metal surfaces and IoT applications, won the Hardware Award at Embedded World 2018.

Antenova provides comprehensive design advice and technical support, including custom antenna design, engineering, integration, and test services to ensure the best possible performing antenna solutions for customer devices. For more details, please visit www.antenova.com.

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