

Empowering Connected Mobility

Telematics Solutions has helped increase road safety, enhance vehicle productivity, increased asset-up time, reduced cost of ownership and improved operator performance. iWave has built a strong portfolio of telematics hardware which are powered by powerful processors, a wide option of wired and wireless connectivity option and immense software flexibility with Linux BSP and API Libraries.

Ruggedized Telematics for Off-Road Vehicles and Heavy Duty Equipment

[iW-RainboW-G26I](#): The **Rugged Telematics Device** is designed for off-highway, construction machinery and heavy duty equipment. The solution is built in an IP67 Enclosure with external antennas, and certified for rigorous environmental and electrical conditions. The solution is integrated with a powerful processor, 3 CAN Ports, RS232 and RS485 Ports and various wireless connectivity options such as LTE Cat-4, Wi-Fi and Bluetooth. The solution is FCC, CE, PTCRB and AT&T Carrier Certified.



A Compact and Powerful Telematics Hub for Electric Vehicles and Passenger Vehicles



[iW-RainboW-G62H](#): The **Telematics Connect Hub** is a very compact robust solution designed for electric vehicles, 3 wheelers, industrial machinery and asset tracking. Featuring 2 x CAN-FD ports, inertial sensors, LTE Cat-1 bis, Bluetooth and a hardware secure element, the hub helps customers make better decisions on their fleet and actionable insights through data.

What is Automotive Ethernet?

100 Base-T1 (IEEE 802.3bw) and 1000 Base-T1(IEEE 802.3bp), is an automotive ethernet standard aimed at increasing throughput and reducing cost in vehicle networks. It uses a single pair of unshielded twisted wires to transmit and receive data. 100BASE-T1 is a physical full-duplex interface enabling



transmission and reception on the same pair, unlike 10BASE-T and 100BASE-TX, where transmission and reception are on dedicated pairs. Shared media reduces overall cable weight in the vehicle, not only reducing material cost but also improving fuel efficiency.



With an extensive portfolio, access this telematics product selection guide for a feature comparison between the different options. The selection guide can help you find the right product depending on the use case and the requirements.



Stay Tuned for an exciting Tech Talk Series in production with technical experts from iWave and Sibros taking you through technical topics covering OTA, Embedded Connectivity, Software Defined Vehicles, Certifications and Vehicle updates.

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