



TTConnect Wave

Smart IoT gateway for off-highway vehicles



Key benefits

- ✓ Ruggedized IoT gateway to connect a vehicle to the cloud via wireless or cellular interfaces
- ✓ Fleet updates at the touch of a button
- ✓ Machine data collection and analytics to improve efficiency and reduce costs
- ✓ New business models

TTConnect Wave is designed to connect vehicles and machines to the **TTConnect Cloud Service** platform in the easiest and most comprehensive manner in the industry. The device provides standard in-vehicle interfaces such as Ethernet and CAN in addition to its wireless and cellular interfaces.

TTControl's end-to-end management system offers true plug-and-play functionality and allows customers to monitor and manage vehicles and fleets with unrivalled out-of-the-box experience.

TTConnect Wave enables applications that range from simple machine data monitoring and data logging to more advanced functionalities such as prognostics and predictive maintenance.

Features

- Standard in-vehicle interfaces
- Cellular or wireless LAN connectivity
- Data logging
- GPS/GLONASS positioning system
- High-performance CPU
- Rugged design for extreme conditions
- CE/E, FCC, IC certified

TTConnect Cloud Service

- Over-the-air updates of complete machine software
- Data logging on defined events
- Simple and intuitive configurable portal: no need for programming
- Unparalleled machine integration with TTControl ECUs and displays
- Real-time data
- Create and configure alarms



Application Fields

- Construction
- Agriculture
- Material Handling
- Municipal

Product features

	TTConnect Wave 4G
CPU core	Freescale iMX6S Cortex A9 32-bit @800MHz
	Separate core for vehicle communications
RAM	1 GB
Interfaces	1 x 10/100Base-Tx Ethernet 2 x CAN 802.11b/g/n/ac USB 2.0 and OTG 4/5-band LTE 3-band UMTS (WCDMA/FDD) 2/4-band GSM/GPRS/EDGE GPS and GLONASS interface SIM-card connector
Number I/Os	3 analog inputs 2 frequency inputs 1 digital output HSD 1 wake-up input
Other features	Real time clock 1 accelerometer/gyroscope IP67/IP69K rating -40°C to +85°C operating temperature 176mm x 216mm x 40mm (with fasteners)



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