



- Best connection to the internet
- Multimedia & Infotainment
- Information & Surveillance
- Location-based services
- Tracking



Wi4U pro

automotive LTE – WLAN Router and Multimedia Server

The Automotive LTE - WLAN router Wi4U pro offers a broadband connection to the internet for mobile vehicles like coaches, trains and trucks. It also offers new wireless and multimedia services, e.g.:

- Internet Access
- Multimedia server for streaming audio/video
- Support for fleet applications
- Webserver for configuration and setup
- Remote Management
- SMS read/write
- Public hotspot via hotspots
- Firmware Update over-the-air

Its ability to serve as a standard communication service platform for other control units allows OEM manufactures easily to keep updated with the very fast developing wireless industry.

Advantages at a Glance

Standard Wireless Gateway

The Wi4U pro allows customers to leverage a standard service interfaces for wireless communication and allows other control units and application easily to make use of wireless interfaces and protocols

Scalable System

The Wi4U pro can be adapted to support the customer needs starting from a low end telemetric system up to a high speed multimedia system

Based on a plug-in manager this platform allows to enhance functions as plug-in services on a need-to-have basis. You can easily bring new application to your car as known from smart phones

Wireless Interfaces

**GSM
LTE**

GSM / UMTS / LTE
2G / 3G / 4G Cellular connections to the outside < 100 Mbit/s

WLAN

Wireless LAN
Local wireless network according to IEEE 802.11b/g/n <300 Mbit/s

GPS

GPS / Glonass
Positioning Services

Wired Interfaces

Ethernet / USB

Ethernet / USB
Broadband connection to further devices

Optional:

CAN / UART / GPIO

CAN / UART / GPIO
Interfaces into the vehicle

Wi4U pro configuration

The Wi4U pro internal webpage allows the comfortable management of the interfaces and to define the security policies and rights.



Technical Specification

System	Processor type	Freescall i.MX6 Solo Cortex™ - A9
	Processor frequency	1 GHz/3.000 DMIPS
	Operating system	Linux
	Internal memory	128 MB (DDR3), 256 MB (Nand Flash)
	External memory	USB2.0 via HSD connector and USB-A connector
	Ethernet	100 Mbit/sec via HSB connector
	Second SIM	2 x SIM Card-Reader
	Dimension	147 x 104 (119 incl. connector) x 24 mm
Mobile Network	Weight	200 g
	Standards	4G - LTE, 3G - UMTS: HSPA+/EV-DO, 2G - GSM: EDGE/GPRS/GSM
WLAN	Frequency	LTE (cat 3, 100/50 Mbps): 800/900/1800/2100/2600 (EMEA/APAC) HSPA+: 850/900/2100 GSM/GPRS/EDGE: 850/900/1800/1900
	Date rate	100/50 Mbit/sec
	Standards	IEEE 802.11 b/g/n
	Security/Encryption	WEP, WPA (TKIP, AES), WPA2 (CCMP, AES)
	Data rate	Up to 300 Mbit/sec
Antenna	Clients	Up to 80 clients
	LTE/UMTS	2 x Fakra D bordeaux for LTE MIMO
	GPS	Fakra C blue
Power	WLAN	WLAN internal
	Power supply	12 VDC/24VDC from vehicle supply
Temperature	Connector	32 PIN NanoMQS
	Operating	-40°C to +80°C
Miscellaneous	Storage	-40°C to +105°C
	Article	ANN00K01395
	Delivery Contents	Router, Connection Cable, Manual, Assembling-Set, Customercard
	Accessories	GPS-Window-Antenna, GPS-Magnet-Antenna LTE-MIMO Antenna-Set, Simd-Card-Adapter



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