O₂ Automotive WiFi

Vehicle Internet Coverage

O₂

O2 WiFi Automotive Solutions focuses on coverage for needs of the automotive industry. O2 WiFi automotive addresses the needs of customers for internet coverage area traffic fund in the area of transport. In particular, it is the transport sector (buses, trams, trolleybuses, taxis, trains etc.)

The whole solution works because the router, which combines two independent mobile data networks from O2- (CDMA and GPRS, EDGE, 3G, UMTS, HSPA +, LTE in the future). The subsequent distribution Internet is delivered via WiFi or on Ethernet port 10/100).

Solution Advantages – internet "transport" coverage:

• Instant access to current information

• NON STOP connect to the fastest network

• Increased end-user satisfaction with the provided services

• A unique solution that ensures quality internet connection thanks to combined signal from 3G and CDMA.

• The option of 2x SIMs in the device means a foreign SIM card can be installed and using the set of rules for this SIM2, automatically switch the Roaming, and thus continue to provide access to the Internet outside the O2 network.

Why O2?

• Unique solutions for the automotive industry
• Good coverage of the Czech Republic networks, CDMA and 3G
• Reliable solution providing WiFi zone in vehicles
• Unique solutions through two independent connections to the O2 internet
• Remote Access- private option customer solutions
• Monitoring system (SW-R SeeNET)- which provides more detailed information on individual routers in traffic
• Combination with O2 Cloud
   - Cost control – monthly payment, without the need of additional investments   in hardware
   - All information is secure- O2 data centers (Tier III)
• Certification E8

Controlling Costs

You always pay the same monthly amount regardless of the amount of transferred data, so you can better plan your future expenses – and avoid surprise bills for previous periods.

How Do O2 WiFi Automotive solutions work?

1. Direct connection to the Internet: UCR11 v2 router communicates with BTS (CDMA, GSM), which assures penetration of the Internet.
At the same time they are transmitted via the Internet to the server, where W is mounted surveillance R SeeNET.

- • Router UCR11 v2
- • Active Data Service (SIM, CDMA)
- • APN internet.open.s (public, static IP address)
- • Optionally O2 Cloud
- • Optionally supervisory SW R-SeeNET.

2. Connect to the Internet via a private network customers. Private APN router communicates with the BTS (CDMA, GSM) and means for access to the Internet, the internal operation of the private etc. is ensured O2 Remote Access. deployment option Firewall and thereby control the operation, security, etc. Supervising SW-R SeeNET can be placed on a customer's internal network or O2 in the Cloud service.

- • Router UCR11 v2
- • Active Data Service (SIM, CDMA)
- • APN internet.open.s (public, static IP address)
- • O2 Remote Access (ensures private network)
- • Optionally O2 Cloud
- • Optionally supervisory SW R-SeeNET
- • In preparation
- - Sophisticated control access and downloading data
- - Support for LTE networks

O₂ WiFi Automotive

Přenosové technologie	UCR v2
GPRS / EDGE	✔
UMTS / HSDPA	✔
UMTS / HSUPA	✔
UMTS / HSPA+	✔
CDMA	✔
Výstupní technologie	
WiFi	✔
Ethernet 10 / 100	✔
Porty	✔
Ethernet 10 / 100	✔
USB Host 2.0	✔
RS232	volitelně
RS485	volitelně
MBUS	volitelně
I/O	volitelně
Provozní teploty	
-30 ℃ až 60 ℃	✔
Napájení	
10 V až 30 VDC	✔
Provedení a počet SIM	
hliníkový box	✔
1 x SIM O2 – interní	✔
1 x SIM volný slot	✔

Možnost umístění na DIN lištu	
TS35 / TS32	✔
Základní funkce	
VPN – IPSec	✔
VPN – OpenVPN	✔
VPV – L2TP	✔
VPN – GRE	✔
DHCP Ethernet	✔
DHCP WiFi	✔
HTTP server	✔
FTP	✔
NAP / PAT	✔
SNMP	✔
VRRP	✔
DynDNS	✔
NTP	✔
Telnet	✔
SSH	✔
PPPoE bridge	✔
HTTPS	✔
SMS + e-mailové funkce	✔
Automatická konfigurace	✔
FW update OTA	✔

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