



# YoGoKo

“ You Go, We Konnect ”

*Innovative communication solutions  
for transport and mobility*

## Technical specs

### Communication standards

- IETF / ISO standards
- IPv6 and related protocols
- Mobility support (NEMO, MCoA)
- IPv4/IPv6 transition
- IPv6 on sensor networks (6LowPAN)
- Security (IPsec, IKEv2, AAA, ...)
- Vehicle gateway, EV charging

### Access networks management

- Combination of access technologies
- Dynamic interface selection
- Simultaneous access
- Ad-hoc/direct networking

### Data flow management

- Critical data flow protection
- Traffic prioritization and QoS
- Collection of communication requirements
- Flow-by-flow routing
- Delay Tolerant Networking

### VPN and security

- Traffic encryption and authentication
- Cloud-based firewalling
- Controlled access to in-vehicle devices

### IPv6/IPv4 transition

- IPv6 access on legacy (3G) networks
- Dual-stack (IPv6/IPv4) in-vehicle network

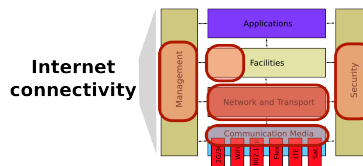
### Hardware

- Cellular networks (3G/4G)
- Multi-SIM support
- WiFi networks (802.11 abg/n/ac)
- Vehicular WiFi (802.11p)
- Sensor networks (802.15.4)
- HSM module
- Automotive grade ARM or x86 CPU
- Linux-based operating system
- Multiband antenna

## Contact

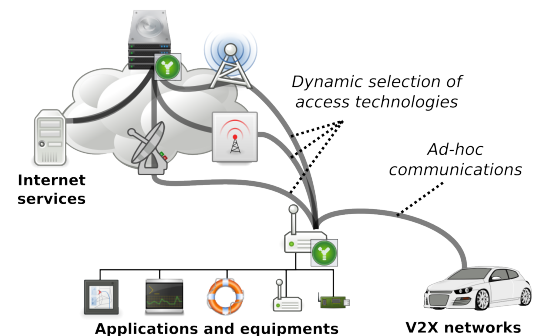
- Mail: [contact@yogoko.fr](mailto:contact@yogoko.fr)
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## Our Internet connectivity solutions for ITS



### An IP stack for communications in mobility

- YoGoKo provides an IP networking stack – YoGoKo Smart Network – optimized for communications in mobile environments, able to manage a diversity of access technologies and a diversity of flows in the most efficient way.
- YoGoKo Smart Network improves access network management by combining several access technologies (3G/4G, urban WiFi, vehicular WiFi, ...) and dynamically selects relevant access networks.
- YoGoKo Smart Network collects communication requirements from applications and applies routing on a per-flow basis. Data flows from critical applications are protected from less critical ones such as infotainment.
- Data flows with lower priority may be delayed, stored and rerouted according to routing policies and access network status, in a Delay Tolerant Network manner.



### Secured communications



- YoGoKo Smart Network provides VPN capabilities to strengthen vehicle data security. All Internet traffic is encrypted over access networks, avoiding traffic interception by third parties (sniffer on weak wireless network, network operator, attacker, ...).
- Remote access to in-vehicle devices is strongly controlled. Additional firewalling is applied in the cloud to protect the in-vehicle network and data.

### Future-proof

- YoGoKo Smart Network is based on the most advanced Internet protocols from the IETF, including IPv6, NEMO, MCoA, IPsec, IKEv2, 6LowPAN, ...
- In order to ensure long-term backward compatibility with IPv4 and enable a smooth migration to IPv6, YoGoKo uses very effective IPv4/IPv6 transition technologies, enabling future-proof communications.

