



High mobility 4x4 platform

Modular and open architecture

Fully programmable under Linux

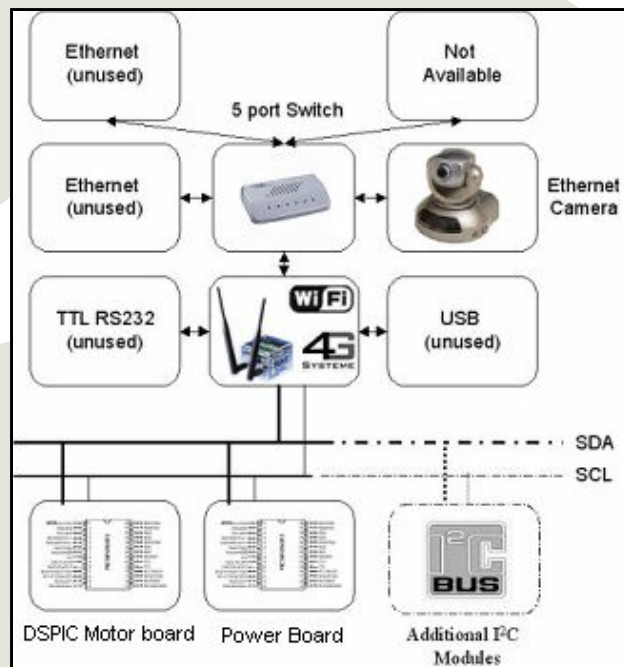
Embedded LAN and mesh WI-FI networking

Wifibot 4G

ROBOT FOR RESEARCH / SUPERVISION

Wifibot 4G is a robot which is characterized above all by a great flexibility allowing it to be used in multiple environments and situations. Its mechanical design and its four wheel drive allow this robot to evolve over irregular surfaces or even small obstacles. Its small dimensions and low weight make it easily transportable and perfect to explore narrow places.

As a system, Wifibot 4G is open to all kind of uses and applications. The robot offers an entire world of expansions and possibilities at different levels. It features an embedded 400Mhz AMD calculator under Linux and a large choice of interfaces like embedded Ethernet, RS232, I2C, USB (optional), as well as standard and mesh WiFi !



Wifibot 4G



ROBOT FOR RESEARCH / SUPERVISION

Included Features

Calculator: MIPS processor AMD Au1500
400MHz RAM 64MB
Flash Storage 32 MB

Interfaces: 4x Ethernet 10/100 BaseT
1x USB (optional)
1x I2C bus
1x RS232 port

WiFi: WiFi 802.11a/b/g
Seamless Roaming
Mesh Network (OLSR)
WLAN AP, Bridge, Client
Bridge / Router
1x Antenna 5dBi

Sensors: 1x Pan-Tilt IP camera
2x IR range sensors
2x quadrature encoders
Battery level

Speed Control: 2 Independent PID
for each robot side

Motors: 4x motors 7.2V
50:1
8.87Kg/cm
120 rpm

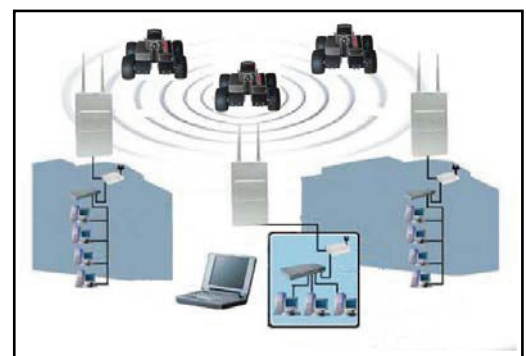
Dimensions: Length : 28 cm
Width : 30 cm
Height : 20 cm
Weight : 4.5Kg

Batteries: 9.6V NiMh
9500 mAH
2h autonomy
Easy replacement
Charger included

Mode of Operation	4G Cube Configuration
Stand Alone	AP or Ad-hoc bridge
Infrastructure	Bridge or Mesh
Swarm	Ad-hoc bridge or Mesh



Stand alone



Infrastructure



Swarm



