







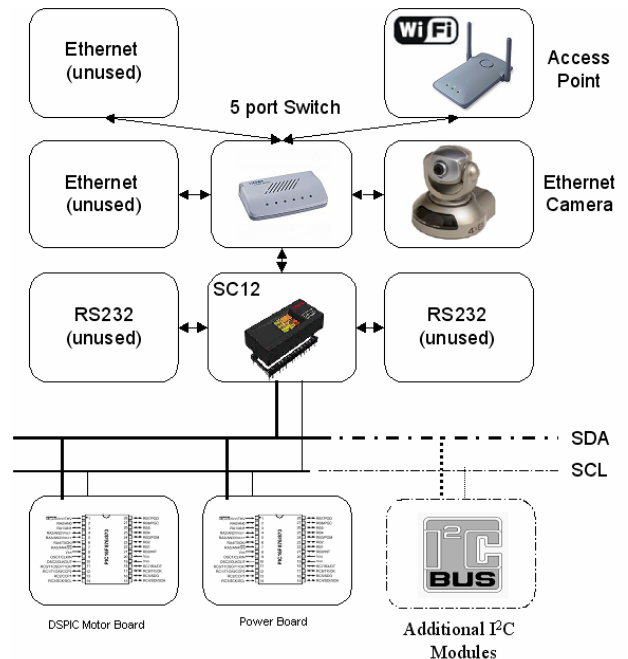
-  *High mobility 4x4 platform*
-  *Modular and open architecture*
-  *Fully programmable under a RTOS*
-  *Embedded LAN and WI-FI*

WiFiBot SC

Educational robot

WiFiBot SC 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 its low weight make it easily transportable and perfect to explore narrow places.

As a system, WiFiBot SC is opened to all kind of uses and applications. The robot is user friendly and offers an entire world of expansion possibilities at different levels. It features an embedded controller from BECK (SC12), a RTOS and a large choice of interfaces like embedded Ethernet, RS232, I²C and a WiFi link!





Included Features

Calculator:	BECK SC12 20 MHz RAM 512Kb Flash Storage 512Kb RTOS
Interfaces:	4x Ethernet 10/100 BaseT 2x RS232 port I ² C bus
WiFi:	WiFi 802.11b/g WLAN AP, Bridge, Ad-hoc 2x Antenna 3dBi
Sensors:	1x Pan-Tilt IP camera 2x IR range sensors 2x quadrature encoders Battery level
Speed Control:	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	ASUS AP Configuration
Stand Alone	AP or Ad-hoc Bridge
Infrastructure	Bridge
Swarm	Ad-hoc Bridge or 1xAP + NxBridge



Stand alone



Infrastructure



Swarm