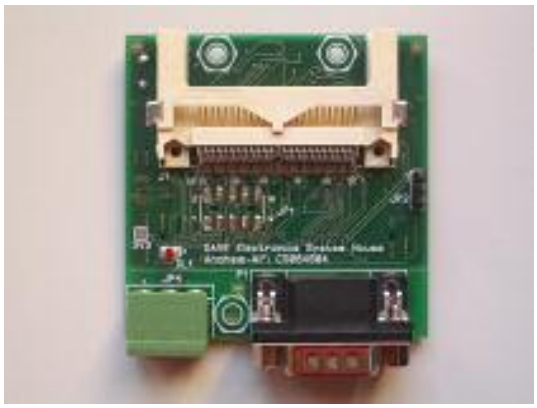
"*Anaheim WiFi*"®

Serial to Wi-Fi bridge module

Anaheim ***WiFi*** is a family of compact "off-the-shelf" modules that bridge the popular serial-based equipments with wireless LAN based over 802.11b standard.
Modules are aiming to a simple usage by customers, while mantaining a very high-performing profile. In fact ***Anaheim*** ***WiFi*** modules are "ready-to-go", i.e. users need to start modules by simply plugging in-out cables/connectors and power supply.



Two main configurations are possible with ***Anaheim*** ***WiFi*** modules. First is aiming communication with a commercial Access Point in order to allow legacy serial-only-based equipments to enter into LAN networks without wires. Second configuration is the so-called "ad hoc" link that allows to link two different serial sources with a wireless poit-to-point link. The aim of this configuration is just that to "jump" a section of UTP cable.

Anaheim ***WiFi*** can be configured in a higly flexible way. In fact users are invited to configure the device via the embedded web server pages when link is easily achieved with an Access Point. If this is not possible, due to a possible ambiguity on the AP, or to the instable Wi-Fi link, a serial link is possible with a simple application running on PC.

Anaheim ***WiFi*** modules are available in many models:

- DAW 11 : module with DB9 connector for RS232 signals and MSTBA for power
- DAW 12 : module with MSTBA connector for RS485 signals and MSTBA for power
- DAW 23 : module with CMOS UART signals and pin-strip connector to be plugged on a host board
- DAW 24 : module with CMOS Rx-Tx-Dir signals (aiming external RS485 physical) and pin-strip connector to be plugged on a host board

DAVE

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Common Technical Data

CPU	Ubicom IP2022
CPU supervision	
PSU supervisors	power supply supervision with watchdog
Interfaces	
Wi-Fi	Compact Flash connector
SPI	5 x 2 (step 2.54 mm) programming pads
PSU	
Single	5.0V (4.7V to 7.0V)
Consumption	Less than 310mA @5.0V (inclusive of Wi-Fi module)
Software	
Application software	Precharged
Agency approvals	
CE Mark	CE Mark (EN 55022, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6)
Mechanical	
Material	FR4
Technology	double-sided SMT
Temperature	5÷55°C operational temperature (due to Wi-Fi card)

Specific Technical Data

DAW11	
Phisical	60,96 x 60,96 mm^2 with three fixing holes
RS232 connector	DB9 (Rx, Tx, RTS, CTS, 5V on pin 1)
PSU connector	MSTBA (Also Pin1 of DB9 in a VCC input)
DAW12	
Phisical	63,62 x 60,96 mm^2 with three fixing holes
RS232 connector	MSTBA
PSU connector	MSTBA (Also Pin1 of DB9 in a VCC input)
DAW23	
Phisical	46,96 x 60,96 mm^2 with one fixing hole
Pin strip connector	20 x 2 (step 2,54mm) male
DAW24	
Phisical	46,96 x 60,96 mm^2 with one fixing hole
Pin strip connector	20 x 2 (step 2,54mm) male

Typical applications: Industrial Controls, Digital Media Servers, Home Media Gateways, Digital Audio Jukeboxes, Streaming Audio Players, Set-Top Boxes, Point-of-Sale Terminals, Kiosks, Biometric Security Systems, GPS Systems, Consumer Electronic Applications.

Informations and sales
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