IWAP-2000

RS232/422/485 to Wi-Fi Adapter

It can operate in different serial port modes to meet users' various needs

ℹ Key Features

- Fully compatible with 802.11b
- Simple ACSII command interface, over local UART and remote from TCP/IP client.
- Sustained data rates of 1152 kbps with flow control.
- Security: WEP128, WPA-PSK, and WPA2-PSK (TKIP and AES) supported.
- Dip switches to switch between RS232/422/485 modes
- RS232 relieve charging (15mA) to extend battery life.
- Ultra-low power module with 70mA average RX, 150mA TX burst current usage.
- SMA connector to fit different antennas for various needs
- Internal rechargeable battery pack for fully stand-alone operation
- Embedded stacks with TCP/UDP/IP, sockets, no host or processor stacks required.
- ICMP, Telnet, TFTP, DHCP, FTP, UDP Time server clients.
- FTP client "over the air" firmware upgrade.
- Battery-operating Time: up to 10 hours

Hardware	
CPU	G2 Microsystems
Flash	512kb
External Ports	
Antenna	SMA connector
Serial Port	DB9 Female RS232/422/485 1200bps to 115200bps
Switches	
Slide Switch	Power on/off
DIP Switch 1	RS422/485 switch
DIP Switches 2	1. RS422/485 switch 2. RS232/485 switch
Power	
DC adapter	5V 1.5A
USB DC cable	Optional
Battery	1000mAh Lithium Polymer,12 hours operating time

LED Indicators	
RED	Link Status
GREEN/ORANGE	Power/Charging
YELLOW	Data
Environment & Safety	
Operation Temperature	-10 to 50 degree C
Storage Temperature	-20 to 60 degree C
Operating Humidity	0-95% non-condensing
EMI and Safety	CE / FCC Class A
Network	
IP Address	Fixed or DHCP
Supported Protocol	ICMP, Telnet, TFTP,DHCP, FTP, UDP Time server clients
Dimension	
Weight	100 g
Size	10.5 cm x 5 cm x 2.2 cm
Device Management	
Console Port	Serial or TCP/IP from client
F/W upgrade	FTP client "over the air"

Wireless	
IEEE Standard	802.11b
Operation mode	Client
Frequency	2402 ~ 2480 MHz
Modulation	DSSS (CCK-11,CCK-5.5, DQPSK-2,DBPSK-1)
Channel Interval	5 MHz
Security	WEP128, WPA-PSK, and WPA2-PSK
Number of channels	13
Transmission rate	1/2/5.5/11Mbps
Receive Sensitivity	-93dBm
Max TX Power	12dBm
Antenna	2dBi omni SMA

Note
(1) The operating range depends on the paired access point, and RF environment.
(2) The operating time depends on the RF TX usage and RF environment.
(3) Specifications subject to change