

EAP300 Specification

Software Features		
System Requirement		
System	Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)	
Access method	Web Based (HTTP 1.0 / 1.1)	
Browser Compatibility	Microsoft IE 6.0 or above, Firefox 2.0 or above	
Status		
System Status	System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version
	Current IP Setting	IP Address, Subnet Mask, Default Gateway, DHCP, DNS.
	Current Wireless Setting	Operation mode, Wireless Mode, Channel/Frequency, L2 Isolation, MSSID Setting
Client List	List current associated clients. Show only authorized and associated clients	
System Log	Displays a list of events triggered	
Wireless Functional List		
Operation mode	AP	

		WDS
		WDS AP algorithm
		WDS bridge algorithm
802.11 mode options		b/g/n
Channel setting		Manual
		Auto / Best Channel Selection
Transfer rate setting		Auto and Manual
Output Power Control		Select by dBm
Power Saving		Wireless LAN power saving
Multiple BSSID (Multi AP)		4 BSSID for 2.4Ghz
		Each BSSID should has its own WiFi & security settings
WPS		Software only
Security	WEP	WEP(64/128bit)
	WPA/ WPA2	TKIP / AES
	Hidden ESSID	
	MAC address filtering	MAC address filtering (WLAN, up to 32 field)
	L2 Isolation	
	802.1x Authenticator	MD5/ TLS/ TTLS, PEAP (Nice to Have)
	802.1x Supplicant	TTLS, PEAP (Nice to have)
LAN Settings		IP (check validity and DHCP server IP range) MAC

DHCP server		DHCP Range, Lease Time, Client list
VLAN	MSSID	VLAN tag on MSSID
	Management VLAN Ethernet Port VID	Only allow user with specified VID to access the device
	Add VLAN tag	Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID)
SNMP	SNMP V1/V2C	
	MIBI, MIBII	
	Private MIB	
Administration		User Name (default: "admin")
		Password (can be changed by user)
		Confirmed Password
Remote FW upgrade		
Telnet Server		CLI
Backup/ Restore Setting		Save Current Setting Restore Saved Setting Reset to Factory Default
Firmware Upgrade		Firmware Upgrade Allow User to decide to Keep current setting or reset to default.
UPnP		
QoS		WMM
Hardware Specifications		
MCU	RTL8196C+8192CE	

Memory	32MB		
Flash	4MB		
Diameter * Height	120mm x 50mm		
Physical Interface	LAN: 1 x 10/100 Fast Ethernet RJ-45 (802.3af PoE standard supported)		
	Reset button		
	Power Jack		
LED Definition	Power x1	Blue	Booting: Blink at 1H Booting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off
	WLAN x1	Blue	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
	LAN x1	Blue	Link: Solid Light / Active: Blinking (Receiving/ Transmitting data)
Adapter	12V / 1A		
Wireless Specifications			
Frequency Band	2.400~2.484 GHz(11b, 11g, 11n)		
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK		
Operating Channels	11 for North America, 14 for Japan, 13 for Europe		
Wireless Setting	Operation Mode – AP / WDS		

	Wireless Mode – 11b/ 11g /11n		
	Channel Selection (Setting varies by Country)		
	Channel Bandwidth (Auto, 20Mhz, 40Mhz)		
	Transmission Rate - 11n only ,11b/g/n mix ,11b only ,11b/g		
Receive Sensitivity (Typical)	2.412 ~ 2.472 GHz (11b) best \leq -90 dBm		
	2.412 ~ 2.472 GHz (11g) best \leq -88 dBm		
	2.412 ~ 2.472 GHz (11n) best \leq -85 dBm		
Available transmit power	11b	1Mbps - 11Mbps	29
	11g	6Mbps - 9Mbps	29
		12Mbps - 18Mbps	28
		24Mbps - 36Mbps	24
		48Mbps - 54Mbps	23
	11n	MCS 0-1 / 8-9	26
		MCS 2-3 / 10-11	25
		MCS 4-5 / 12-13	24
		MCS 6-7 / 14-15	23
Antenna	Internal 5dBi antenna		

Environment & Mechanical	
Temperature Range	0 to 45° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage

Certification

FCC	Ready
CE	Ready
IC	Ready