

EAP150

Long Range Ceiling Mount Access Point

- 2.4 GHz
- 150Mbps
- 11b/g/n
- 26dBm
- AP/W

PRODUCT OVERVIEW



EAP150 is a 150Mbps wireless-n ceiling mount AP which offers users extended coverage, strong penetration, secure network management and simple connection.

It provides extended coverage and at least 3 floors penetration in your environment. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af makes internet connection more flexible.

EAP150 is designed as a Ceiling mount AP which will not violate your interior decoration. Only 3-step setup makes setting up simpler. EAP150 is the perfect choice for home and small business.

EAP150 Data sheet Version 150711

** All specifications are subject to change without notice

BUSINESS CLASS EAP150

^{*}Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.





		SOFTWARE FEATL	IRES	
SYSTEM	REQUIREMENTS			
System		Windows Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4)		
Access n	nethod	Web Based (HTTP 1.0 / 1.1)		
Browser	Compatibility	Microsoft IE 6.0 or above, Firefox 2.0 or above		
STATUS				
		System Information	System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version	
System S	tatus	Current IP Setting	IP Address, Subnet Mack, 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		ents. Show only authorized and associated		
System I	_og	Displays a list of events triggered		
WIRELES	S FUNCTIONAL LIST			
Operation mode		AP WDS		
WDS details		WDS AP algorithm		
		WDS bridge algorithm		
802.11 r	node 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 Wi-Fi & security settings		
WPS		Software only		
Security	WEP	WEP(64/128bit)		
	WPA/ WPA2	TKIP / AES		

EAP150 Data sheet Version 150711

BUSINESS CLASS EAP150

^{*}Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice





MAC address filtering (WLAN, up to 32 field) 802.1x Authenticator 802.1x Supplicant TTLS, PEAP LAN Settings IP (check validity and DHCP server IP range) MAC DHCP server DHCP Range, Lease Time, Client list VPN Server PPTP & L2TP MSSID VLAN tag on MSSID Management VLAN Ethernet Port VID Tag/ Untag Option 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 V1/V2C MIBI, MIBII Private MIB SNMP SNMP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Firmware Upgrade Allow User to decide to Keep current setting or reset to default.		MAC adducts Click	MAC address filtering (MIAN) we to 22 Cald	
B02.1x Supplicant TTLS, PEAP LAN Settings IP (check validity and DHCP server IP range) MAC DHCP server DHCP Range, Lease Time, Client list VPN Server PPTP & L2TP MSSID VLAN tag on MSSID Management VLAN Ethernet Port VID Tag/ Untag Option Independent VLAN setting can be enable or disable 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 V1/V2C MIBI, MIBII - SNMP Version: V1/V2c/ALL Private MIB - Read Community - System Location - System Contract - Trap Active: Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade		MAC address filtering		
LAN Settings IP (check validity and DHCP server IP range) MAC DHCP server DHCP Range, Lease Time, Client list VPN Server PPTP & L2TP MSSID VLAN tag on MSSID Management VLAN Ethernet Port VID Tag/ Untag Option Independent VLAN setting can be enable or disable 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 V1/V2C - SNMP Active : Disabled / Enabled MIBI, MIBII - SNMP Version : V1/V2c/ALL Private MIB - Read Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade		802.1x Authenticator	MD5/ TLS/ TTLS, PEAP	
MAC DHCP server DHCP Range, Lease Time, Client list VPN Server PPTP & L2TP MSSID Management VLAN Ethernet Port VID Tag/ Untag Option Add VLAN tag SNMP V1/V2C MIBI, MIBII Private MIB SNMP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Reset to Factory Default Firmware Upgrade PTPR & L2TP PPTP & L2TP MKSID VLAN tag on MSSID Only allow user with specified VID to access the device Independent VLAN setting can be enable or disable Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID) - SNMP Active : Disabled / Enabled - SNMP Version : V1/V2c/ALL - Read Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") - Password (can be changed by user) Confirmed Password Backup/ Restore Setting - Restore Saved Setting - Restore Saved Setting - Restore Default - Firmware Upgrade - Firmware Upgrade		802.1x Supplicant	TTLS, PEAP	
DHCP server PPTP & L2TP WSSID VLAN tag on MSSID Management VLAN Ethernet Port VID Tag/ Untag Option Independent VLAN setting can be enable or disable Add VLAN tag inserted with a PVID (Ethernet Port VID) SNMP V1/V2C SNMP Active : Disabled / Enabled Private MIB SNMP Private MIB System Location System Location System Contract Trap Active : Disabled / Enabled	LAN Sett	ings	IP (check validity and DHCP server IP range)	
VEN Server PPTP & L2TP			MAC	
MSSID VLAN tag on MSSID VLAN Ethernet Port VID Tag/ Untag Option Independent VLAN setting can be enable or disable 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 V1/V2C - SNMP Active: Disabled / Enabled Private MIB - SNMP Version: V1/V2c/ALL Private MIB - System Location - System Contract - Trap Active: Disabled / Enabled - Trap Manager IP Administration - User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting - Restore Saved Setting Reset to Factory Default Firmware Upgrade - Firmware Upgrade	DHCP se	rver	DHCP Range, Lease Time, Client list	
Management VLAN Ethernet Port VID Tag/ Untag Option Add VLAN tag SNMP V1/V2C MIBI, MIBII Private MIB SNMP Administration Administration Backup/ Restore Setting Management VLAN Ethernet Port VID Only allow user with specified VID to access the device Independent VLAN setting can be enable or disable Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID) - SNMP Active : Disabled / Enabled - SNMP Version : V1/V2c/ALL - Read Community - Set Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Restore Saved Setting Rest to Factory Default Firmware Upgrade	VPN Ser	ver	PPTP & L2TP	
Source Ethernet Port VID Tag/ Untag Option Independent VLAN setting can be enable or disable		MSSID	VLAN tag on MSSID	
Tag/ Untag Option 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 V1/V2C MIBI, MIBII Private MIB SNMP - Set Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") - Password (can be changed by user) Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade Any packet that enters the Device without a VLAN tag will have a VLAN tag will have a VLAN tag insable Any packet that enters the Device without a VLAN tag will have a VLAN tag		Management VLAN	Only allow user with specified VID to access the device	
Tag/ Untag Option 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 V1/V2C MIBI, MIBII Private MIB SNMP - Set Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") - Password (can be changed by user) Confirmed Password Backup/ Restore Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade Any packet that enters the Device without a VLAN tag will have a VLAN tag	VLAN	Ethernet Port VID		
SNMP V1/V2C MIBI, MIBII Private MIB SNMP SNMP Administration Backup/ Restore Setting tag inserted with a PVID (Ethernet Port VID) - SNMP Active : Disabled / Enabled - SNMP Version : V1/V2c/ALL - Read Community - Set Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade		Tag/ Untag Option	Independent VLAN setting can be enable or disable	
SNMP V1/V2C MIBI, MIBII Private MIB SNMP - SNMP Version: V1/V2c/ALL - Read Community - Set Community - System Location - System Contract - Trap Active: Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade - SNMP Active: Disabled - SNMP Version: V1/V2c/ALL - Read Community - Set Community - Set Community - System Location - System Contract - Trap Active: Disabled / Enabled - Trap Manager IP Save Current Setting - Summan Sum		Add VLAN tag	Any packet that enters the Device without a VLAN tag will have a VLAN	
MIBI, MIBII Private MIB - SNMP Version: V1/V2c/ALL - Read Community - Set Community - System Location - System Contract - Trap Active: Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") - Password (can be changed by user) - Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade			tag inserted with a PVID (Ethernet Port VID)	
Private MIB - Read Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade - Read Community - Set Comm		SNMP V1/V2C	- SNMP Active : Disabled / Enabled	
SNMP - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade - Set Community - System Location - S		MIBI, MIBII	- SNMP Version : V1/V2c/ALL	
SNMP - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade		Private MIB	- Read Community	
- System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade	011145		- Set Community	
- Trap Active : Disabled / Enabled - Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade	SNMP		- System Location	
- Trap Manager IP Administration User Name (set as "admin") Password (can be changed by user)			- System Contract	
Administration User Name (set as "admin") Password (can be changed by user) Confirmed Password Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade User Name (set as "admin") Password Save Current Setting Restore Saved Setting Reset to Factory Default			- Trap Active : Disabled / Enabled	
Password (can be changed by user) Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade			- Trap Manager IP	
Confirmed Password Backup/ Restore Setting Save Current Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade	Administ	ration	User Name (set as "admin")	
Backup/ Restore Setting Restore Saved Setting Reset to Factory Default Firmware Upgrade Save Current Setting Restore Saved Setting Reset to Factory Default			Password (can be changed by user)	
Restore Saved Setting Reset to Factory Default Firmware Upgrade Firmware Upgrade			Confirmed Password	
Reset to Factory Default Firmware Upgrade Firmware Upgrade	Backup/ Restore Setting		Save Current Setting	
Firmware Upgrade Firmware Upgrade			Restore Saved Setting	
			Reset to Factory Default	
Allow User to decide to Keep current setting or reset to default.	Firmware Upgrade		Firmware Upgrade	
			Allow User to decide to Keep current setting or reset to default.	
Diagnosis Address to Ping:	Diagnosis		Address to Ping :	

TECHNICAL SPECIFICATIONS

EAP150 Data sheet Version 150711

*Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice

BUSINESS CLASS EAP150





HARDWARE SPECIFICATIONS				
MCU	RTL8196C+8188RE			
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			
, 6.54. 56	Power Jack			
LED Definition	Power x1	Blue	Booting: Blink at 11	HBooting
			System Ready: On	
			Firmware Upgrade:	Blink at 4Hz
			System Off: Power	Off
	WLAN x1	Blue	Link: Solid Light / A (Receiving/ Transm	_
	LAN x1	Blue	Link: Solid Light / / (Receiving/ Transm	_
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			4 for Japan, 13 for Europe	2
Wireless Setting	Operation M	ode – 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 (11g) best ≤ -90 dBm			
	$2.412 \sim 2.472 \text{ GHz (11n) best} \le -88 \text{ dBm}$			
Available transmit power	11	b	1Mbps - 11Mbps	26
	11g	a	6Mbps - 9Mbps	26
		12Mbps - 18Mbps	25	

EAP150 Data sheet Version 150711

BUSINESS CLASS EAP150

^{*}Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice





		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 *	1	

ENVIRONMENT AND MECHANICAL		
Temperature Range	0 to 50° C - Operating, -20 to 60 ° C - Storage	
Humidity (non-condensing)	90% or less – Operating, 90% or less - Storage	

PACKAGE CONTENT
► EAP150
► Power Adapter (12V/1A)
► CD with User's Manual
▶ QIG
► Ethernet cable

EAP150 Data sheet Version 150711