

machpower®



SCHEDA TECNICA

CPE ESTERNA 1200Mbps

HIGH POWER

MODELLO: WL-CPEDB48-055

DESCRIZIONE

CPE esterna con Chipset Atheros high power industrial, Wi-Fi di nuova generazione 802.11ac standard.

Velocità totale di 1200Mbps grazie alle antenne da 5GHz e da 2,4GHz, porta Gigabit WAN, gestisce più di 100 utenti contemporaneamente.

Materiali

Costruita con materiali di alta qualità, ABS Impermeabile, protetta contro la polvere, i raggi solari e le avversità del clima. Lavora da a 40 gradi sotto zero a 70 gradi.

High Power

Progettata con due amplificatori di potenza sulla PCB, fino a 1000mW, Tecnologia MIMO 18dBi. Raggio di copertura fino a 10Km.

Power over Ethernet

Porta PoE IEEE802.3at integrata

AP Managed, Mach Power Cloud HotSpot & Management System

In modalità access point e compatibile con il controller machpower WL-AC5250-047 per un settaggio completo: monitoraggio stato, modifica indirizzo IP, ESSID, canale, password, upgrade del software, backup e ripristino.

CARATTERISTICHE PRINCIPALI

- Conforme allo standard IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1 porta WAN 10/100/1000 fast Ethernet
- Tecnologia MIMO da 1000mW per un segnale potente. Flash da 16M, 128M DDR2 RAM
- Supporta standard PoE IEEE 802.3at
- Supporta SSID broadcasting, multi SSID fino a 8 (4 SSID in 2,4GHz e 4 SSID in 5GHz)
- Supporta Modalità :Gateway (PPPOE, IP statico, IP dinamico), Wireless AP, Repeater, WISP
- Con funzione di firewall integrato, IP filter, URL filter, e MAC filter
- Conforme con standard IEEE 802.3az, tecnologia beamforming.
- Regolazione della potenza, frequenza, e analisi della RF
- Supporta DDNS, VPN pass through, port forwarding e host DMZ
- Supporta WEP 64/128 bit, 128 bit WPA (TKIP/AES)

SPECIFICHE

Hardware	
Chipset	Atheros QCA9563 + QCA9882 +QCA8035
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 x 10/100 /1000Mbps RJ45 WAN Port
	1 x Reset button, press 15 seconds to revert to default setting
Antenna	Build in 18dBi Panel Antenna
Power consumption	48V PoE←30W
Size	L: 410mm, W: 20.5mm, H: 105 mm
Weight	3KGS
RF Data	
Frequency	2.4G: 802.11b/g/n: 5GHz: 802.11a/n/ac
	2.4GHz, 5GHz
Country code	FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM / DSSS = DBPSK, DQPSK, CCK
Throughput	1200 Mbps
Firmware Features	
Operation mode	Wireless AP, Gateway, WISP, WiFi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter
	IP and MAC Address Binding
Protocols	IPv4
Environment	
Operating temperature	0°C ~ 40°C
Operating humidity	10% ~ 90% (non-condensing)
Storage humidity	5% ~ 90% (non-condensing)
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management
	System

Receive Sensitivity & RF Power								
Frequency	Mode	Date rate	Standard	Result (dBm)			RF Power ± 1.0dBm	
				CH1	CH6	CH11		
2.4GHz	11b	1Mbps	≤-83	-99	-99	-99	29dBm	
		11Mbps	≤-76	-92	-92	-92		
	11g	6 Mbps	≤-85	-95	-95	-95	29dBm	
		54Mbps	≤-68	-82	-82	-82	27dBm	
	11n	MCS0/8	≤-85	-95	-95	-95	28dBm	
	HT20	MCS7/15	≤-67	-79	-77	-78	26dBm	
	11n	MCS0/8	≤-82	-93	-93	-93	28dBm	
	HT40	MCS7/15	≤-64	-75	-75	-75	26dBm	
5GHz				CH36	CH100	CH149		
	11a	6Mbps	≤-85dBm	-92	-92	-92	26dBm	
		54Mbps	≤-68dBm	-75	-75	-75	23dBm	
	11n	MCS0/8	≤-85dBm	-91	-91	-91	26dBm	
	HT20	MCS7/15	≤-64dBm	-72	-72	-72	23dBm	
				CH38	CH110	CH151		
	11n	MCS0/8	≤-82dBm	-88	-88	-88	26dBm	
	HT40	MCS7/15	≤-61dBm	-70	-70	-70	23dBm	
				CH36	CH100	CH149		
	11ac	MCS0	≤-82	-92	-92	-92	26dBm	
	HT20	MCS8	≤-60	-70	-70	-69	23dBm	
				CH38	CH110	CH151		
	11ac	MCS0	≤-79	-90	-89	-89	25dBm	
	HT40	MCS9	≤-60	-66	-65	-65	22dBm	
				CH42	CH106	CH155		
	11ac	MCS0	≤-79	-87	-87	-87	24dBm	
	HT80	MCS9	≤-54	-62	-61	-61	21dBm	
	Others							
	Package content	WL-CPEDB48-055, Ethernet Cable, Quick Installation Guide, Setting Accessory						

DATI ANTENNA

Electrical Specifications	
Frequency range	2400 ~ 2500 / 5725 ~ 5850 (MHz)
Polarization	Vertical and Horizontal
Gain	2 x 15 / 2 x 18
Half-power beam width	H: 60° / 14° V: 60° / 7°
Front-to-back ratio	≥25dB
Input Impedance	50 Ω
VSWR	≤1.5
Isolation between ports	≥28dB
Cross-polar ratio	≥15dB@0° ≥10dB@+/-60°
Sidelobe suppression for first sidelobe above horizon	15 dB
Maximum input power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Input connector type	4-N Female
Dimensions (HxWxD)	450 x 253 x 35 mm
Packing size	485 x 280 x 70 mm
Weight	1.8 kg
Radome material	ABS
Radome color	White
Mechanical tilt	0° ~ 10 °
Operating temperature	-40°C ~ 60°C
Rated Wind Velocity	60 m/s
Mounting hardware	∅ 30 ~ ∅ 50 mm

Per Life Warranty si intende 8 anni.