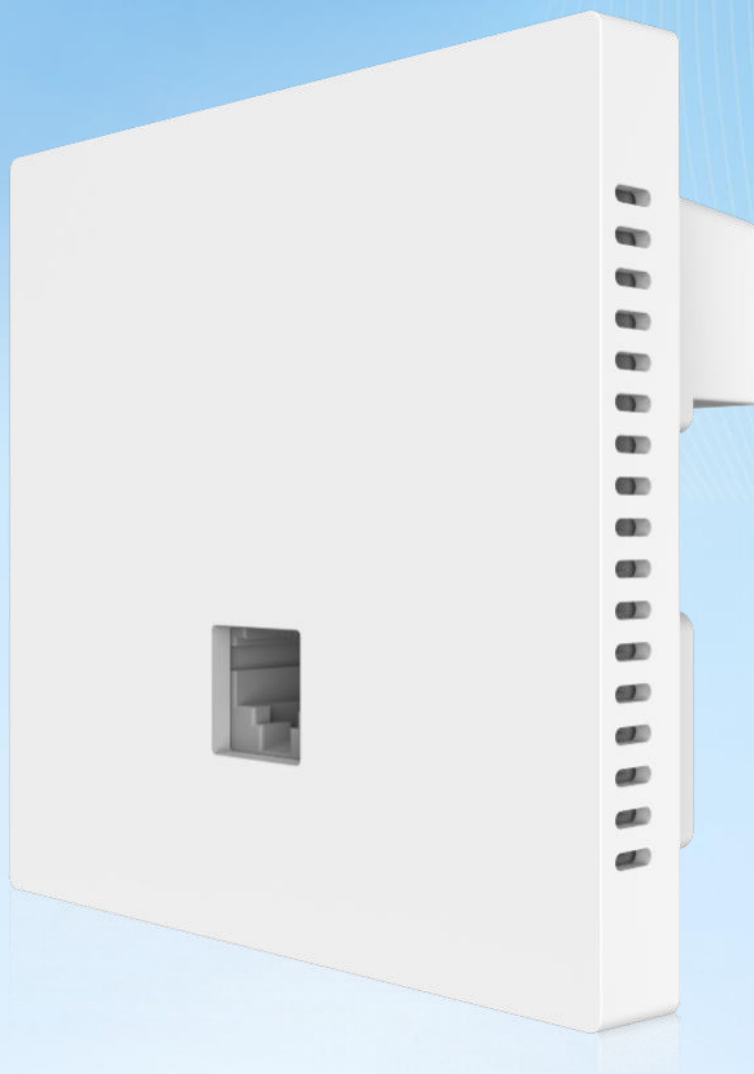


ComFi EL990

Indoor Dual-band Panel AP



Product Description

EL990 is a high-performance and high-speed indoor 11ax dual-band panel AP that can provide 2.4G and 5.8GHz dual-band wireless services. The maximum supported bandwidth is 600Mbps for 2.4GHz and 2400Mbps for 5.8GHz. This product supports modes such as gateway and AP, providing users with various networking methods and making the user application scenarios more extensive.

Product Specifications

Specification Parameters					
Product Model	EL990				
CPU	MT7981B+MT7976CN+RTL8211FS				
Flash	SPI NOR 16MB				
DDR3L	256M				
Antenna	Built-in dual-band onboard omnidirectional antennas, antenna gain: 1.7dB				
2.4G Operating Frequency Band	2.4GHz ~ 2.484GHz				
2.4G Wi-Fi Transmission Protocol	802.11 b / g / n / ax				
5G Operating Frequency Bands	5.150GHz ~ 5.850GHz				
5G Wi-Fi Transmission Protocol	802.11 a / n / ac / ax				
Highest Rate	2.4G provides the highest rate of 574Mbps, and 5G provides the highest access rate of 2402Mbps				
Supports Wireless Access to the Maximum	128				
2.4G Wireless Power	802.11b	11M	20±2dBm	1M	20±2dBm
	802.11g	54M	16±2dBm	6M	18±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	16.5±2dBm
	802.11n HT40	MCS7	14.5±2dBm	MCS0	16.5±2dBm
	802.11ax HT20	MCS11	13.5±2dBm	MCS0	16.5±2dBm

	802.11ax HT40	MCS11	13±2dBm	MCS0	16.5±2dBm
5G Wireless Power	802.11a	54M	16±2dBm	6M	18.5±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
	802.11ac HT20	MCS7	14.5±2dBm	MCS0	17±2dBm
	802.11ac HT40	MCS7	14.5±2dBm	MCS0	17±2dBm
	802.11ac HT80	MCS7	14±2dBm	MCS0	16.5±2dBm
	802.11ax HT20	MCS11	13.5±2dBm	MCS0	17±2dBm
	802.11ax HT40	MCS11	13.5±2dBm	MCS0	17±2dBm
	802.11ax HT80	MCS11	13±2dBm	MCS0	16.5±2dBm
	802.11ax HT160	MCS11	11.5±2dBm	MCS0	14±2dBm
2.4G Reception Sensitivity	802.11b	11M	-87dBm	1M	-96dBm
	802.11g	54M	-75dBm	6M	-93dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-89dBm
	802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm
	802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
5G Reception Sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm
	802.11ac HT20	MCS7	-67dBm	MCS0	-91dBm
	802.11ac HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm

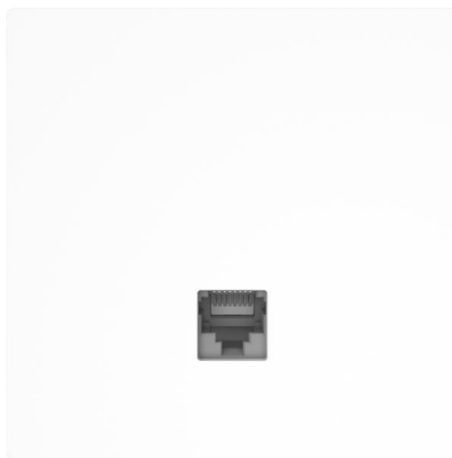
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm
	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4G EVM	802.11b: ≤ -10 dB; 802.11g: ≤ -25 dB; 802.11n: ≤ -28 dB; 802.11ax: ≤ -35 dB				
5G EVM	802.11a: ≤ -25 dB ; 802.11n: ≤ -28 dB ; 802.11ac: ≤ -32 dB; 802.11ax: ≤ -35 dB				
Frequency Offset (ppm)	± 20 ppm				
Interface (WAN)	1x10 / 100 / 1000Mbps adaptive WAN port, supporting PoE 48V power supply;				
Interface (LAN)	1x10 / 100 / 1000Mbps adaptive LAN port				
External Buttons	Reset button (press and hold for 6-10 seconds to restore factory default configuration).				
Power Supply	PoE 802.3af				
Maximum Power Consumption	< 12W				
Status Indicator	SYS light				
Size	86mm * 86mm * 42.8mm (with a height of 10.8mm outside the wall)				
Weight	0.22kg				
Working Environment	Normal operating temperature: -10°C to 40°C ; Storage temperature: -40°C to 70°C ; Humidity: 5%~95% (non-condensing)				
ESD	Air discharge: $\pm 6\text{KV}$, contact discharge: $\pm 4\text{KV}$				
Surge	Common mode 1kV, differential mode 0.5kV				

Software Function

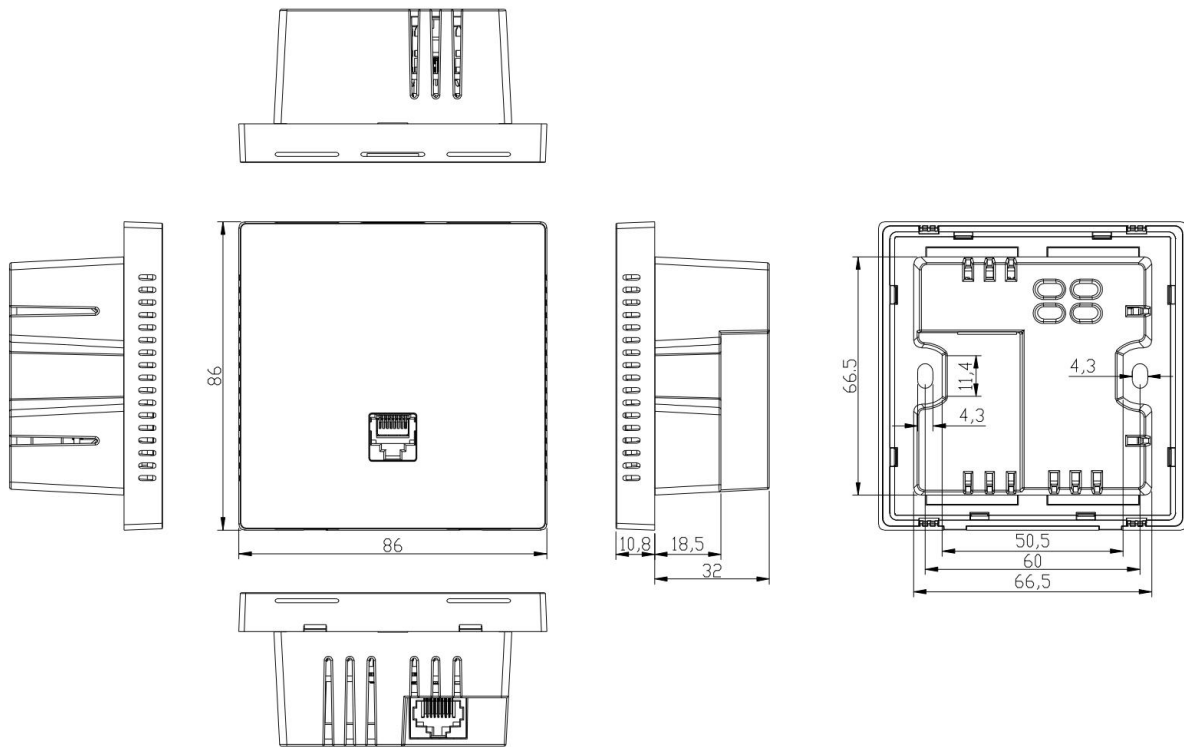
Home	Working mode: Fat AP mode and thin AP mode
	Wireless AP download rate, wireless AP upload rate, runtime
	Device information, Device description, Intranet information, Wi-Fi information
Support Mode	Gateway mode: The device connects to the WAN through the WAN port and uses static IP, DHCP, or PPPoE to access the Internet
	AP mode: The device covers wireless network signals to other clients and devices, and uses Ethernet to connect to other routers to access the wide area network
Wireless Function	SSID Broadcast
	Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	Hide SSID

	wireless encryption: OPEN、WPA / WPA2PSK-TKIPAES、WPA3PSK-AES
	Wireless MAC address filtering: whitelist is supported
	Spectrum Navigation (5G First)
	Wi-Fi timed shutdown function
	User isolation: Isolation between wireless networks and within APs
	Transmit power settings
	Limit on the number of wireless clients
	QoS: WMM
Network Function	Connection mode: static address, obtained from the management server, obtained from the gateway
	DHCP server: It can be a built-in DHCP server or an external DHCP server
	Firewall
	PPPoE function: PPPoE dial-up function is supported
Device Management	Backup configuration information
	Restore configuration information
	Restore factory settings
	Restarting includes scheduled restarts and immediate restarts
	Firmware Upgrade
	Time management includes system display of time and time synchronization
	system log
	Fat thin AP switching function

Interface



Product Dimensions



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