MAIPU
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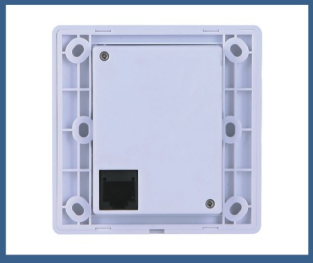
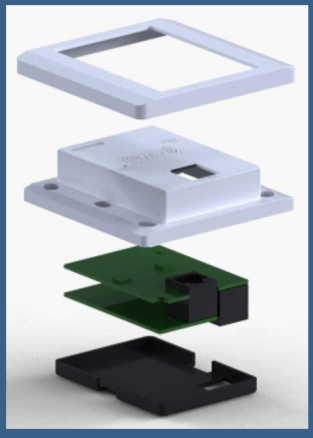
Best and Easiest Hotel Wi-Fi Coverage

MT-W101 In-wall 802.11b/g/n PoE Access Point





- ◆Standard 86mm*86mm box
- ◆Hidden LED
- ◆Wi-Fi and RJ45 LAN
- ◆IEEE 802.11b/g/n
- ◆Wireless auto-channel selection
- ◆Wireless security: WEP, WPA/WPA2
- ◆Wireless output power management
- ◆IEEE 802.3af/at PoE
- ◆Centralized management
- ◆Standalone web management
- ◆Enhanced wireless signal
- ◆Compact design

Due to the rapid development of mobile intelligent devices such as iPhone, iPad and Android mobile phone, more and more customers need to access the network with Wi-Fi when they are in hotel room. Many hotels are willing to build faster Wi-Fi networks to satisfy customer needs. Maipu MT-W101 is capable of replacing traditional network outlet cabling and can be quickly installed directly into wall box. Besides, IT administrators can centrally manage thousands of network devices with much less operation cost by using Maipu's in-wall AP central management device.

Electrical outlet design for easiest Wi-Fi coverage

With the thinnest "electrical outlet box" design, MT-W101 provides flexibility for hotel WLAN deployments. With the in-built Ethernet port, it offers wired network to guests in addition to the wireless connectivity. It can be easily installed into hotel room within 3 minutes without any civil work. Wi-Fi network upgrade will not stop hotel business.

Best coverage and 802.11n performance for customer satisfaction

In traditional hospitality deployment scenarios, walls and partitions made of materials such as concrete or wood would degrade signals, and sometimes lead to an unsatisfactory level or even disconnection. The unique design of MT-W101 provides impressive wireless coverage that solves bad signal, while the 802.11n support allows hotel operators to take advantage of wire speed networking.

Plug and play for OPEX reduction

In addition to the web-based interface management, network administrators can utilize Maipu in-wall AP central management device to manage thousands of MT-W101s via the graphical, profile-based control panel.

User-friend LED design

Considering the comfortable sleep of the hotel customer, Maipu give an unique hidden LED design on MT-W101, it will not disturb customer sleep, but still can be easily read for troubleshooting.

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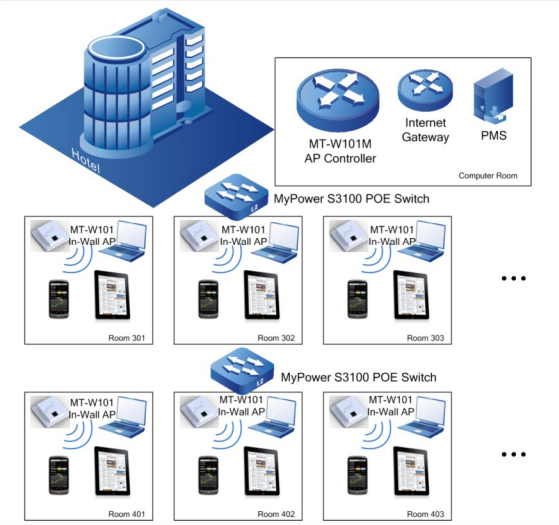
Specifications

Wireless Specifications	
WLAN	IEEE 802.11b/g/n
Modulation Type	802.11b: DBQSK, DQPSK, CCK 802.11g: BQSK, QPSK, 16-QAM, 64-QAM 802.11n: BQSK, QPSK, 16-QAM, 64-QAM
Frequency Band	2.4GHz
Security	WEP 64/128-bit WPA-PSK, WPA2-PSK WPA–Enterprise, WPA2-Enterprise
Data Rates	802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS 0-7 up to 150Mbps
Transmit Power	12dBm typically @ 802.11n 13dBm typically @ 802.11g 16dBm typically @ 802.11b
Receiver Sensitivity	IEEE 802.11n 150Mbps Typical-68dBm IEEE 802.11g 54Mbps Typical-73dBm IEEE 802.11b 11Mbps Typical-84dBm
Range Coverage	Indoor max 100 meters Outdoor max 200 meters
Hardware Specifications	
Ethernet	IEEE 802.3, IEEE 802.3u, IEEE 802.3af/at
Network Interface	Two 10/100BASE-T RJ45 auto-sensing Ethernet ports (input-end and output-end) support half-duplex, full-duplex, auto-sensing work mode, support MDI/MDI-X auto -sensing
Antenna	Embedded antenna
Power Supply Mode	PoE, IEEE 802.3af/at support
Power Consumption	<5W
Mounting	Designed for mounting in a standard wall outlet box: 86mm*86mm
Dissipation	No fan, passive dissipation
LED	Hidden LED: power, system
Management	
Web Interface	Yes
Central Management	Yes
Environment Parameters	
Operating	0°C-40°C(32°~104°F); 10%-90% no-condensing
Storage	-20°C ~ 70°C (-4°~158°F); 5%~90% non-condensing
Physical Parameters	
Dimension (W*H*D)	86mm*86mm*25mm

Application Diagram



Other Typical Scenario

Wi-Fi coverage in hospital

Wi-Fi coverage in university

Access www.maipu.com to check video of how to install MT-W101 within 3 minutes.