



Quick Installation Guide

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

Equipment introduction

JA712M-E wireless products is a new generation of Shen Zhen JEBI Technology Co., independent research and development of 802.11n based enterprise AP (hereinafter referred to as AP), wireless access speeds equivalent to 6 times that of traditional 802.11a/b/g networks, with transmit power of up to 200mW, suitable for families, enterprise, hotels, shopping malls and other indoor wireless coverage.



Product highlights

- Qualcomm high performance chip solutions, performance excellence
- Built in high gain antenna, integrated design, elegant appearance, suitable for high-end places
- Support POE power supply, easy installation
- Support local management, while supporting the JEBI wireless controller and cloud platform management and operation
- Support multi SSID configuration, up to 8
- Support roaming, load balancing, spectrum navigation, illegal AP detection, fair scheduling of space resources and other characteristics

Key Featureses

1. High performance, so that network transmission more stable

Qualcomm high performance chip solutions, based on the IEEE802.11n standard, 2*2 MIMO technology can provide up to 300Mbps of the transmission rate, can effectively provide a higher performance of wireless access services, to ensure that the user speed wireless Internet experience;

2. Built in high gain antenna, POE power supply, suitable for high-end use

Built-in high gain antenna, integrated design, beautiful appearance, flexible installation, it is suitable for installation such as suction ceiling, wall hanging, tabletop mounting, etc. At the same time using standard POE powered, no external power supply, the original power supply cable can easily complete the wireless network structures, suitable for large shopping malls, star grade hotels, private villas other high-end places;

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

3. Comprehensive wireless security protection at any time to protect your network

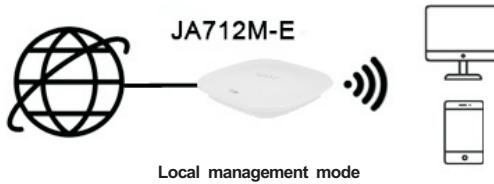
Support WEP, WPA, WPA-PSK, WPA2, WPA2-PSK and other wireless data encryption, in addition, according to JEBI cloud platform / wireless controller, with user access isolation, WIDS, WIPS, AP, anti phishing, anti ARP spoofing, fundamentally build a truly secure and secure wireless network for users;

4. integrated intelligent management

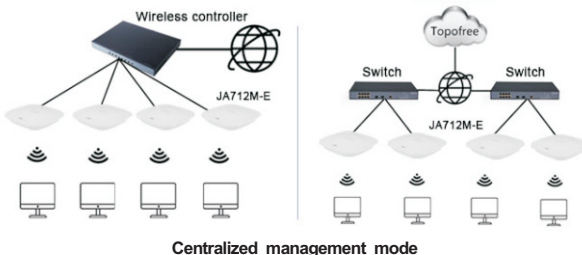
The centralized management mode, equipment through JEBI cloud platform / wireless controller, project management based on the configuration issued a batch, batch upgrading and maintenance, greatly facilitate the user management and maintenance. At the same time, JEBI equipment combined with cloud platform / wireless controller, you can also experience a wealth of features, such as access control, bandwidth control, roaming, spectrum navigation, load balancing, user authentication and billing, coupled with high-quality advertising push, portal, WeChat WiFi certification, passenger flow analysis and other operational features, enhance the operation ability of users.

Typical network diagram

Local management mode, JA712M-E routing through the formation of local area network, suitable for the use of WLAN, such as home WLAN or small business scenarios.



Centralized management mode, JA712M-E can be formed with the cloud platform or wireless controller, suitable for small and medium shops, exhibition centers or industry chain.



JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

Product specification

PHYSICAL	
Power supply	Support 802.3at/af POE power supply
Dimension	210mm x 210mm x 42mm
Weight	0.45kg
Interface	1*10/100Mbps Ethernet ports
	1 Console ports
Working temperature	-10°C – 55°C
Working humidity	5%-95% (non-condensing)
Power waste	<10W
Antenna	Built-in antenna, 5dBi gain

Components and parts	
Chip	AR9341
FLASH	16MB
RAM	64MB

WIFI	
Standard	IEEE802.11b/g/n
Support rate	802.11b: 1,2,5.5,11Mbps
	802.11g: 6,9,12,18,24,36,48, 54Mbps
	802.11n: MCS0~MCS15
Spatial flow	2 *2
Maximum transmit power	200mW
Channel bandwidth	20Mhz/40Mhz
Working band	2.4GHz
SSID	8

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

2G Supported channel frequency	Channel 1: 2.412GHz
	Channel 2: 2.417GHz
	Channel 3: 2.422GHz
	Channel 4: 2.427GHz
	Channel 5: 2.432GHz
	Channel 6: 2.437GHz
	Channel 7: 2.442GHz
	Channel 8: 2.447GHz
	Channel 9: 2.452GHz
	Channel 10: 2.457GHz
	Channel 11: 2.462GHz
	Channel 12: 2.467GHz
	Channel 13: 2.472GHz

PERFORMANCE	
Maximum physical transfer rate	300Mbps
Maximum number of wireless access users	128

Software specification	
Network Protocol	PPPOE
	DHCP Client
	DHCP Server
Radio frequency	Support Automatic/Manual channel adjustment
	Support manual adjustment,adjust the size of 1dBm
	Support timing on/off RF
	Support for access control based on SSID
	Support Chinese SSID
	Support limit based on SSID/STA

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

Network security	Support WEP
	Support WAPI-PSK
	Support WPA/WPA2-PSL
	Support WPA/WPA2 WITH RADIUS
	User isolation
	Support MAC black and white list
	Support for SSID hide
	Illegal AP detection
	WIDS(Wireless intrusion detection system)
	WIPS(Preventing illegal device access)
Authentication billing	Support free certification
	Support SMS authentication
	Support WeChat wifi authentication
	Support key authentication
	Support portal authentication
Local access management	Support wifidog authentication
	WEB management mode (Http/Https)
	Snmpv1,v2c,v3
	Support telnet and SSH remote login query
Deployment mode	Support reverse SSH function
	Support local management
	Support centralized management
	Support routing mode,AP mode,Relay mode
AC discovery mechanism	Support IPv4 protocol
	Two layer broadcast discovery
	Static IP address three layer discovery
	DHCP Option43 discovery
	DNS domain name discovery

JA712M-E

802.11n 300Mbps POE, Indoor single frequency wireless access equipment

Configuration management	Support breakpoint continuingly upgrade
	Support remote batch update, restart
	Support local survival mode
	Support Syslog log management
	Support NTP time synchronization
	Export and recovery
WLAN comprehensive application	Terminal rate set optimal allocation
	AP minimum contract rate configuration
	Weak signal access is prohibited
	Seamless roaming
	Spectrum navigation function
	Load balancing function
	Multicast application optimization
	Wireless location
	Electronic fence
	Passenger flow analysis

JA712M-E

802.11n 300Mbps POE, 室内单频无线接入设备

设备简介

JA712M-E无线产品是JEBI自主研发的新一代基于802.11n技术的企业级AP(以下简称AP), 可提供相当于传统802.11a/b/g网络6倍以上的无线接入速率, 发射功率可达200mW, 适用于家庭、企业、酒店、商场等室内无线覆盖场景。



产品亮点

- 高通高性能芯片方案, 性能卓越保障
- 内置高增益天线, 一体化设计, 美观大方, 适合高端场所
- 支持POE供电, 安装简便
- 支持本地管理, 同时支持JEBI无线控制器与云平台管理及运营
- 支持多SSID配置, 最多可达8个
- 支持漫游、负载均衡、频谱导航、非法AP检测、空间资源公平调度等特性

产品特性

1. 高性能, 让网络传输更稳定

高通高性能芯片方案, 基于IEEE802.11n标准、2*2 MIMO等技术可提供最高达300Mbps的传输速率, 可有效提供更高性能的无线接入服务, 保证用户极速无线上网体验。

2. 内置高增益天线, POE供电, 适合高端场所使用

内置高增益天线, 一体化设计, 美观大方, 安装方式灵活, 适用于吸顶、壁挂、桌面放装等安装方式。同时采用标准POE供电, 无需外接电源, 通过原有网线供电即可轻松完成无线网络搭建, 可适用于大型商场、星级酒店、私家别墅等高端场所使用。

3. 全面的无线安全防护, 随时保护您的网络

支持WEP、WPA、WPA-PSK、WPA2、WPA2-PSK等无线数据加密方式, 此外, 结合JEBI云平台/无线控制器, 具备用户访问隔离、WIDS、WIPS、防钓鱼AP、防ARP欺骗等安全防护功能, 从根本上为用户构建真正安全可靠的无线网络。

JA712M-E

802.11n 300Mbps POE, 室内单频无线接入设备

4. 一体化智能管理

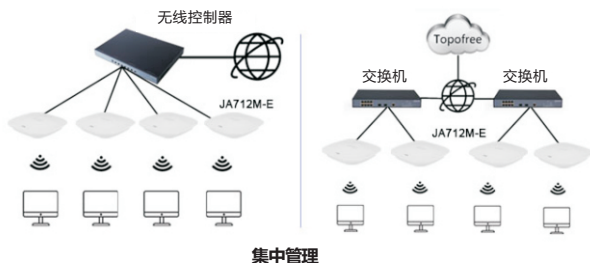
集中管理模式下, 设备通过JEBI云平台/无线控制器, 基于项目统一管理、配置批量下发、批量升级维护等, 极大地便利了用户管理及维护.同时设备结合JEBI云平台/无线控制器, 还可以体验丰富的功能特性, 如接入控制、带宽控制、漫游、频谱导航、负载均衡、用户认证和计费, 再加上优质的广告推送、portal门户定制、微信连wifi认证、客流分析等运营类的特性功能, 提升用户实体运营能力.

典型组网图

本地管理模式下, JA712M-E通过路由组建局域网, 适用于如家庭WLAN或者小型企业WLAN的使用场景.



集中管理模式下, JA712M-E可通过与云平台或无线控制器组建, 适用于中小型商铺、会展中心或行业连锁.



产品规格

物理 PHYSICAL	
供电	支持802.3at/af POE供电
尺寸	210mm x 210mm x 42mm
重量	0.45kg
接口	1个10/100Mbps 以太网端口
	1个Console口
工作温度	-10°C - 55°C
工作湿度	5%-95% (非冷凝)
功耗	<10W

JA712M-E

802.11n 300Mbps POE, 室内单频无线接入设备

天线	内置天线, 5dBi增益
----	--------------

元器件	
芯片	AR9341
FLASH	16MB
RAM	64MB

无线 WIFI	
标准	IEEE802.11b/g/n
支持速率	802.11b: 1,2,5.5,11Mbps
	802.11g: 6,9,12,18,24,36,48,54Mbps
	802.11n: MCS0~MCS15
空间流	2 *2
最大发射功率	200mW
信道带宽	20Mhz/40Mhz
工作频段	2.4GHz
SSID个数	8个
2G支持的信道频率	信道1: 2.412GHZ
	信道2: 2.417GHZ
	信道3: 2.422GHZ
	信道4: 2.427GHZ
	信道5: 2.432GHZ
	信道6: 2.437GHZ
	信道7: 2.442GHZ
	信道8: 2.447GHZ
	信道9: 2.452GHZ
	信道10: 2.457GHZ
	信道11: 2.462GHZ
	信道12: 2.467GHZ
	信道13: 2.472GHZ

JA712M-E

802.11n 300Mbps POE, 室内单频无线接入设备

性能 PERFORMANCE	
最高物理传输速率	300Mbps
无线最大接入用户数	128个

软件规格	
网络协议	PPPOE
	DHCP Client
	DHCP Server
射频	支持自动、手动信道调整
	支持手动功率调整, 调整粒度为1dBm
	支持定时开启/关闭射频
	支持基于SSID接入用户数控制
	支持中文SSID
	支持基于SSID/STA的限速
网络安全	支持WEP
	支持WAPI-PSK
	支持WPA/WPA2-PSK
	支持WPA/WPA2 WITH RADIUS
	用户隔离
	支持基于MAC黑白名单
	支持对SSID的隐藏
	非法AP检测
	WIDS (无线入侵检测)
	WIPS (防止非法设备接入)
认证计费	支持免认证
	支持手机短信认证
	支持微信连wifi认证
	支持一键认证
	支持portal认证
	支持wifidog认证

JA712M-E

802.11n 300Mbps POE, 室内单频无线接入设备

本地访问管理	WEB 管理方式 (Http/Https)
	Snmpv1,v2c,v3
	支持telnet与SSH方式远程登录查询
	支持反向SSH功能
部署方式	支持本地管理
	支持集中管理
	支持路由模式、Client模式、AP模式、中继模式
	支持IPv4协议
AC发现机制	二层广播发现
	静态IP地址三层发现
	DHCP Option43发现
	DNS域名发现
配置管理	支持断点续传升级
	支持远程批量升级、重启
	支持本地存活模式
	支持Syslog日志管理
	支持NTP时间同步
	配置导出与恢复
WLAN 综合应用	终端速率集优化配置
	Ap最低发包速率配置
	弱信号禁止接入
	无缝漫游
	频谱导航功能
	负载均衡功能
	组播应用优化
	无线定位
	电子围栏
	客流分析

For more information, please visit www.jebi-tech.com

Shenzhen Jebi Technology Corporation

Address: Room 512, 8th Building, Phase II, Yungu Innovation
Industrial park, Nanshan District, Shenzhen, China.

Email: sales@jebi-tech.com

Tel: +86-15986821850

