

WAC-2004A 系列

工業級無線存取點控制器



特色與優點

- 二合一 AP 控制器和行動 IP 歸屬地代理
- 基於毫秒等級控制器的 Turbo Roaming
- 符合 IEEE 802.11i 無線安全標準
- 第 3 層行動 IP 技術
- 可擴充的通道容量

認證



簡介

零延遲漫遊的目標是允許用戶端在從一個存取點移動到另一個存取點時無縫保持連線。Moxa 的 WAC-2004A 工業無線存取點控制器採用基於控制器的 Turbo Roaming 技術，可實現跨越不同 IP 子網路的毫秒等級漫遊。進階的漫遊演算法和行動 IP 技術允許無線用戶端在幾毫秒內在 IP 子網路中的 AP 之間漫遊，同時在極為嚴苛的環境中保持嚴格的安全性。堅固耐用的 WAC-2004A 能夠在 0 至 50°C 的溫度下工作，適合在嚴苛的工業環境中進行現場安裝。

最大可用性

- 透過熱備用控制器實現裝置層級備援

最短快速漫遊時間

- 毫秒等級 Turbo Roaming
- 控制器間漫遊

L3 網路中的最大行動性

- 行動 IP 通道
- 轉送位址 (CoA) 指派
- 跨越 Layer 3 子網路漫遊

規格

Ethernet Interface

10/100/1000BaseT(X) Ports (RJ45 connector)	2 Port 1: Communications port for WAC/HA Port 2: Reserved
Standards	IEEE 802.11i for Wireless Security IEEE 802.3 for 10BaseT IEEE 802.3ab for 1000BaseT(X) IEEE 802.1X for authentication

Ethernet Software Features

Management	IPv4, SNMPv1/v2c/v3, Syslog, TCP/IP, Telnet, TFTP, Web Console, Wireless Search Utility
Security	HTTPS/SSL, RADIUS, SSH
Time Management	NTP Client, SNTP

Serial Interface

Console Port	RS-232 ports x 1 (DB9 male)
Flow Control	RTS/CTS, XON/XOFF
Parity	None, Even, Odd, Space, Mark

Serial Signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
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Wireless Access Control

Controller Failover Mode	1-on-1 hot backup
Handover Time	50 ms
Roaming Support	Turbo Roaming (L2/L3) with inter-controller capabilities
WLAN Products Supported	Layer 2 networks: Up to 190 clients roaming between 400 APs Layer 3 networks: Up to 100 clients roaming between 190 APs

Supported Devices

TAP Products	TAP-213/323 Series
AWK Products	AWK-3131A-RTG Series

Power Parameters

Input Current	1.2 A @ 100 VAC
Input Voltage	100 to 240 VAC
No. of Power Inputs	2
Operating Voltage	100 to 240 VAC

Physical Characteristics

Housing	Metal
Dimensions (without ears)	304 x 440 x 44 mm (11.97 x 17.32 x 1.73 in)
Weight	4,550 g (10.03 lb)
Installation	19-inch rack mounting

Environmental Limits

Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

Safety	IEC 60950-1, UL 62368-1, IEC 62368-1
EMC	EN 55032/35, EN 61000-6-2/-6-4

EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 20 V/m IEC 61000-4-3 RS: 1400 MHz to 2000 MHz: 10 V/m IEC 61000-4-3 RS: 2000 MHz to 2700 MHz: 5 V/m IEC 61000-4-3 RS: 5100 MHz to 6000 MHz: 3 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF: 100 A/m

Declaration

Green Product	RoHS, CRoHS, WEEE
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MTBF

Time	447,959 hrs
Standards	Telcordia SR332

Warranty

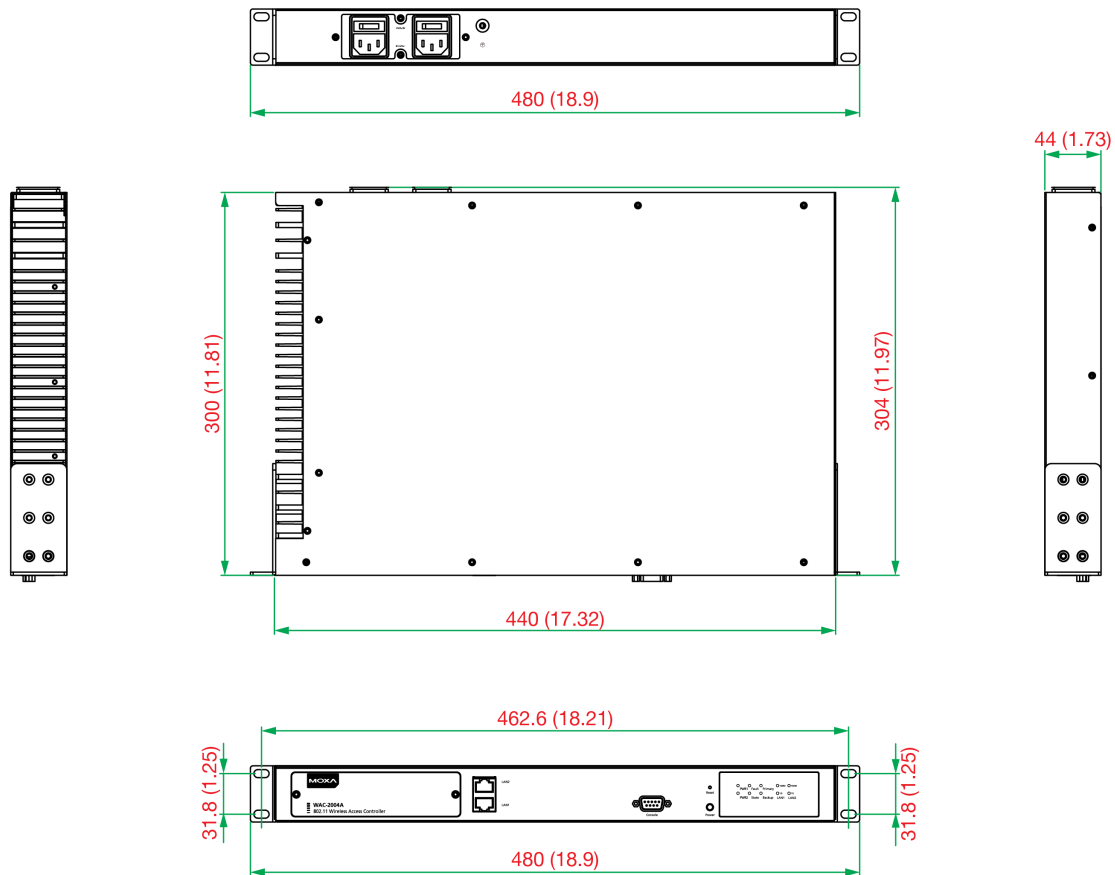
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x WAC-2004A Series wireless access controller
Installation Kit	2 x cap, plastic, for RJ45 port 2 x rack-mounting ear
Cable	1 x DB9 female to RJ45
Power Supply	2 power cords, C13-type, US and EU type
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Application	Operating Temp.
WAC-2004A	Industrial wireless access controller	0 to 50°C

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