SonicWall® SonicWave 432i

Safety, Regulatory and Legal Information

June 2019

Regulatory Model Number:
APL43-0C3

232-004712-51 Rev A

SONICWALL®

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Wi-Fi Alliance Certification

SonicWall® SonicWave 432i is certified by the Wi-Fi Alliance, designated by the Wi-Fi CERTIFIED logo.

The Wi-Fi CERTIFIED logo is a certification mark of the Wi-Fi Alliance, and indicates that the product has undergone rigorous testing by the Wi-Fi Alliance and has demonstrated interoperability with other products, including those from other companies that bear the Wi-Fi CERTIFIED logo.

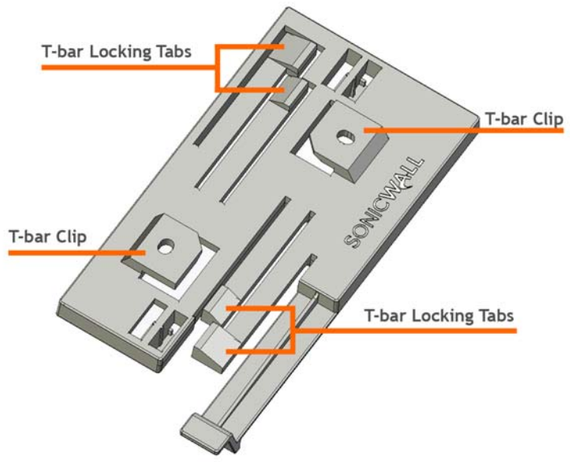
Installing the Mounting Bracket

The SonicWave 432i comes with a mounting bracket so it can be mounted on the ceiling or other flat surface. This section describes how to attach the mounting bracket to the ceiling or an indoor wall.

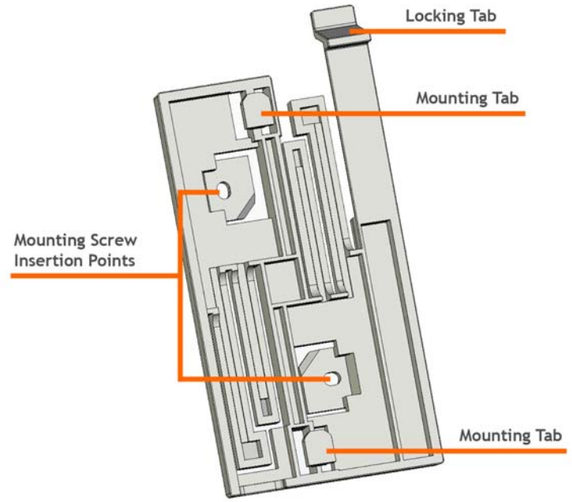
The mounting bracket provides two pairs of T-bar locking tabs that support two ceiling T-bar widths: 15/16 inch and 9/16 inch.

For mounting on a flat surface, holes in the T-bar clips on the bracket provide insertion points for screws. Use #6 (3.5mm) zinc plated pan head machine screws (sheet metal screws) of length 1.25 inches (31.75 mm). When mounting on drywall, anchors should be used. Anchors must accommodate the screws and be rated to hold at least 10 lbs (4.5 kg).

Mounting Bracket Top

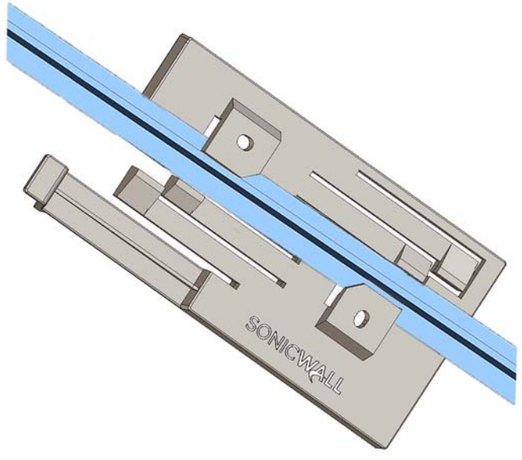


Mounting Bracket Bottom



To attach the mounting bracket to the ceiling using T-bar clips:

1. Press the top side of the mounting bracket against the ceiling tile T-bar so that the T-bar locking tabs on the mounting bracket are depressed.
2. Rotate the mounting bracket until the ceiling T-bar slides into the T-bar clips on the mounting bracket and the T-bar locking tabs click into place.



To attach the mounting bracket to the ceiling or to a wall using screws:

1. Place the top side of the mounting bracket against the ceiling or wall and mark the locations for the two screw insertion points.
2. Drill starter holes at the marked locations. For a wood wall, use a drill bit that fits the screws. For drywall, use a drill bit that fits the anchors.
3. For drywall, screw in the anchors.
4. Place the mounting bracket against the wall with the holes lined up on the marks or anchors.
5. Using the screws and a screwdriver, securely attach the mounting bracket to the ceiling or wall.

Installing the SonicWave 432i

This section describes how to connect the PoE and network cables and then attach the SonicWave 432i to the mounting bracket. For best results, first connect the cables and then mount the SonicWave to the ceiling or wall.

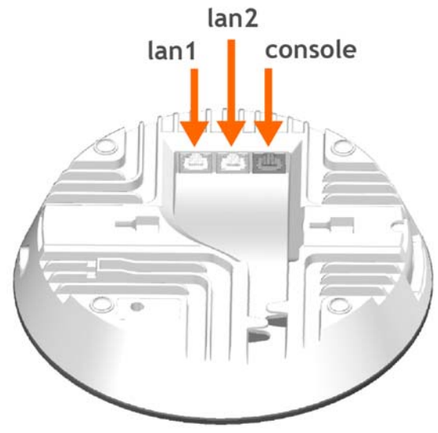
The SonicWave 432i is powered by Power over Ethernet (PoE), sold separately. SonicWall recommends using CAT 5e cables to connect PoE to the access point.

> △ CAUTION: **An 802.3at compliant PoE injector, PoE enabled switch, or SonicWall PoE enabled appliance is required to provide power to each SonicWave 432i. To maintain power to the SonicWave 432i, the maximum length of CAT 5e cable from the PoE device to the SonicWave 432i is 100 meters (333 feet).**

Connecting Cables and PoE

To connect the SonicWave 432i to PoE and the network:

1. Using an Ethernet cable, connect the **Data in** port on the PoE Injector or switch to an interface on your network device. If using a SonicWall firewall, connect it to an existing WLAN zone interface on the firewall or to an unused interface to be configured later in SonicOS.
2. Using a second Ethernet cable, connect the **Data and Power Out** port on the PoE injector to the **lan1** port on your SonicWave 432i. This provides your main Ethernet and PoE connection.

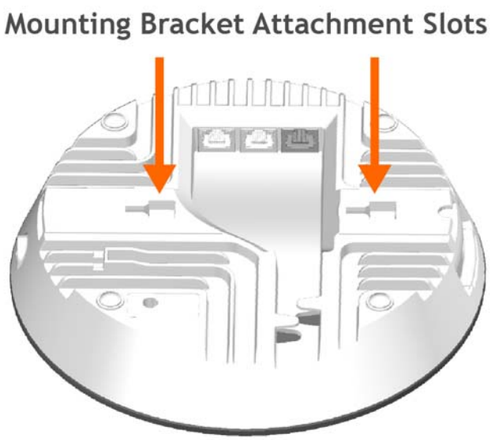


   Refer to your *PoE Installation Guide* for more information.
3. Plug the power cord of the PoE Injector into an appropriate power outlet.
4. Wait up to two minutes for the **lan1 LED** on the SonicWave 432i to illuminate. This indicates an active connection.
5. Optionally connect the **lan2** port to an additional Ethernet connection.
6. Optionally connect the **console** port using an RJ45 to DB9 cable, for command line management.

Attaching SonicWave to Mounting Bracket

To attach the SonicWave 432i to the mounting bracket:

1 Line up the two mounting bracket attachment slots on the bottom of the SonicWave 432i with the mounting tabs on the mounting bracket.



2 Insert the mounting tabs into the SonicWave 432i and slide the access point sideways until the locking tab on the bracket clicks into place on the SonicWave.

NOTE: To detach the SonicWave from the bracket, press on the locking tab to release it, then slide the SonicWave in the reverse direction to free the mounting tabs.

Safety and Regulatory Information

Products with “UL 2043” printed on their product labels are within the limit specified in the “UL 2043 Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products Installed in Air-Handling Spaces” (Plenum). Applies only when powered through PoE. The PoE power supply is not covered the by the UL 2043 evaluation of this Access Point.

Regulatory Model Number

Regulatory Model / Type	Product Name
APL43-0C3	SonicWave 432i

SonicWave 432i complies with FCC U-NII New Rules.

Installation Requirements

WARNING: The following conditions are required for proper installation.

1 Mount in a location away from direct sunlight and sources of heat. A maximum ambient temperature of 104° F (40° C) is recommended.
2 Route cables away from power lines, fluorescent lighting fixtures, and sources of noise such as radios, transmitters, and broadband amplifiers.
3 Ensure that no water or excessive moisture can enter the unit.
4 Allow unrestricted airflow around the unit and through the vents on the side of the unit. A minimum of 1 inch (26mm) clearance is recommended.
5 Consideration must be given to the connection of the equipment to the supply circuit. Appropriate consideration of equipment nameplate ratings must be used when addressing this concern. Do not overload the circuit.
6 This equipment is not intended for use at workplaces with visual display units, in accordance with §2 of the German ordinance for workplaces with visual display units. To avoid incommoding reflections at visual display workplaces, this device must not be placed in the direct field of view.

Cable Connections

All Ethernet and RS232 (Console) cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the SonicWall appliance is located.

Power Supply Information

This product's power is provided by the Ethernet cable plugged into the “LAN1” port, this is called “Power over Ethernet” or “PoE.” The PoE source should only be UL listed marked “Class 2” or “LPS” with an output rated 48 VDC, minimum 0.6 A, Tma: minimum 40 degrees C.

Exigences relatives à l’installation

AVERTISSEMENT: Les conditions suivantes sont requises pour une installation correcte.

1 Procédez au montage dans un endroit à l’abri des rayons du soleil et des sources de chaleur. Une temperature ambiante maximale de 40 °C (104 °F) est recommandée.
2 Faites passer les câbles à une distance raisonnable des lignes électriques, des luminaires pour lampes fluorescentes et des sources de bruit telles que les radios, les émetteurs et les amplificateurs à large bande.
3 Veillez à éviter tout contact de l’appareil avec de l’eau ou une humidité excessive.
4 Veillez à ce que l’air puisse circuler librement autour de l’appareil. Laissez un espace d'au moins 25,44 mm.
5 Portez une attention particulière au raccordement de l’équipement au circuit d’alimentation, de manière à ce qu’une éventuelle surcharge des circuits ait un impact minime sur la protection contre les surintensités et sur les câbles d’alimentation. Respectez pour cela les mentions figurant sur la plaque d’identification du produit.

Raccordements

Tous les câbles Ethernet et RS232 (console) sont conçus pour la connexion à d'autres appareils à l'intérieur d'un même bâtiment. Ne reliez pas ces ports directement à des câbles de communication ou à d'autres câbles qui sortent du bâtiment dans lequel se trouve l'appareil SonicWall.

Informations sur l’alimentation électrique

Ce produit est alimenté par le câble Ethernet branché sur le port « LAN1 »; ce type d'alimentation est appelé « alimentation par câble Ethernet » ou « PoE » (Power over Ethernet). La source d'alimentation par câble Ethernet (PoE) utilisée doit impérativement être homologuée UL, porter la mention « Classe 2 » ou « LPS », et avoir une puissance de sortie nominale de 48 V CC, 0,6 A minimum, TA : 40 °C minimum.

Anforderungen an die Installation

VERWARNUNG: Für eine ordnungsgemäße Montage sollten die folgenden Hinweise beachtet werden.

1 Wählen Sie für die Montage einen Ort, der keinem direkten Sonnenlicht ausgesetzt ist und sich nicht in der Nähe von Wärmequellen befindet. Die Umgebungstemperatur darf nicht mehr als 40 °C betragen.
2 Führen Sie die Kabel nicht entlang von Stromleitungen, Leuchtstoffröhren und Störquellen wie Funksendern oder Breitbandverstärkern.
3 Stellen Sie sicher, dass das Gerät vor Wasser und hoher Luftfeuchtigkeit geschützt ist.
4 Stellen Sie sicher, dass die Luft um das Gerät herum zirkulieren kann. Hier ist ein Belüftungsabstand von mindestens 26 mm einzuhalten.
5 Prüfen Sie den Anschluss des Geräts an die Stromversorgung, damit der Überstromschutz sowie die elektrische Leitung nicht von einer eventuellen Überlastung der Stromversorgung beeinflusst werden. Prüfen Sie dabei sorgfältig die Angaben auf dem Aufkleber des Geräts. Überlasten Sie nicht den Stromkreis.
6 Dieses Gerät ist nicht zur Verwendung an Arbeitsplätzen mit visuellen Anzeigegeräten gemäß §2 der deutschen Verordnung für Arbeitsplätze mit visuellen Anzeigegeräten vorgesehen. Um störende Reflexionen am Bildschirmarbeitsplatz zu vermeiden, darf dieses Produkt nicht im unmittelbaren Gesichtsfeld platziert verden.

Kabelverbindungen

Alle Ethernet- und RS232-C-Kabel eignen sich für die Verbindung von Geräten in Innenräumen. Schließen Sie an die Anschlüsse der SonicWall keine Kabel an, die aus dem Gebäude herausgeführt werden, in dem sich das Gerät befindet.

Informationen zur Stromversorgung

Die Stromversorgung durch das Ethernet-Kabel in die “LAN”- Anschluss angeschlossen vorgesehen ist, wird dies als “Power over Ethernet” oder “PoE.” Dieses Produkt darf nur in Verbindung mit einem für den Europäischen Markt genehmigten und mit dem Logo „LPS.“ Ausgang: 48 VDC Gleichsspannung, mind. 0,6 A, mindest TMA mindestens 40° Grad C, betrieben werden.

EU and EFTA Declarations of Conformity

A “Declaration of Conformity” in accordance with the directives and standards has been made and is on file at: SonicWall International Limited, City Gate Park, Mahon, Cork, Ireland.
CE declarations can be found online at https://www.sonicwall.com/support.

This SonicWall appliance contains radio equipment to provide 2.4 GHz and 5 GHz RLAN/WLAN. To maintain Radio Equipment Directive 2014/53/EU compliance, use only SonicOS software and accessories provided with this appliance and by SonicWall.

Diese SonicWall Appliance enthält Funkanlagen zur Bereitstellung von RLAN/WLAN im Frequenzbereich von 2,4 GHz und 5 GHz. Verwenden Sie zur Einhaltung der Funkanlagenrichtlinie 2014/53/EU (Radio Equipment Directive - RED) ausschließlich SonicOS Software und Zubehör, das mit dieser Appliance und von SonicWall bereitgestellt wird.

To maintain safe exposure levels to electromagnetic fields, place appliance a minimum of 50 cm from all persons and domestic animals.

Zur Einhaltung unbedenklicher Expositionswerte durch elektromagnetische Felder sollte sich die Appliance mindestens 50 cm von Personen und Haustieren entfernt befinden.

This SonicWall wireless appliance is restricted to indoor use.

Diese SonicWall Appliance ist auf die Nutzung in Innenräumen beschränkt.

SonicWave 432i RF Transmitter Bands and Power

Frequency Band - MHz	Maximum Radio Frequency Power Transmitted - dBm EIRP
2412 - 2472	18.84
5180 - 5240	19.89
5260 - 5320	20.02
5500 - 5700	26.97

Simplified EU/CE Declaration of Conformity

Hereby, SonicWall Inc. declares that the radio equipment type 2.4 GHz and 5 GHz RLAN/WLAN is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following Internet address: https://www.SonicWall.com/Support

Hierbij verklaar ik, SonicWall Inc., dat het type radioapparatuur 2.4 GHz and 5 GHz RLAN/WLAN conform is met Richtlijn 2014/53/EU.
De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://www.SonicWall.com/Support

Hiermit erklärt SonicWall Inc., dass der Funkanlagentyp 2.4 GHz and 5 GHz RLAN/WLAN der Richtlinie 2014/53/EU entspricht.
Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://www.SonicWall.com/Support

Le soussigné, SonicWall Inc., déclare que l'équipement radioélectrique du type 2.4 GHz and 5 GHz RLAN/WLAN est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://www.SonicWall.com/Support

С настоящото SonicWall Inc. декларира, че този тип радиосъоръжение 2.4 GHz and 5 GHz RLAN/WLAN е в съответствие с Директива 2014/53/ЕС.
Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://www.SonicWall.com/Support

Tímto SonicWall Inc. prohlašuje, že typ rádiového zařízení 2.4 GHz and 5 GHz RLAN/WLAN je v souladu se směrnicí 2014/53/EU.
Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://www.SonicWall.com/Support

Hermed erklærer SonicWall Inc., at radioudstyrstypen 2.4 GHz and 5 GHz RLAN/WLAN er i overensstemmelse med direktiv 2014/53/EU.
EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://www.SonicWall.com/Support

Με την παρούσα ο/η SonicWall Inc., δηλώνει ότι ο ραδιοεξοπλισμός 2.4 GHz and 5 GHz RLAN/WLAN πληροί την οδηγία 2014/53/ΕΕ.
Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://www.SonicWall.com/Support

Por la presente, SonicWall Inc. declara que el tipo de equipo radioeléctrico 2.4 GHz and 5 GHz RLAN/WLAN es conforme con la Directiva 2014/53/UE.
El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://www.SonicWall.com/Support

Käesolevaga deklareerib SonicWall Inc., et käesolev raadioseadme tüüp 2.4 GHz and 5 GHz RLAN/WLAN vastab direktiivi 2014/53/EL nõuetele.
ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://www.SonicWall.com/Support

SonicWall Inc. vakuuttaa, että radiolaitetyyppi 2.4 GHz and 5 GHz RLAN/WLAN on direktiivin 2014/53/EU mukainen.
EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://www.SonicWall.com/Support

SonicWall Inc. ovime izjavljuje da je radijska oprema tipa 2.4 GHz and 5 GHz RLAN/WLAN u skladu s Direktivom 2014/53/EU.
Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://www.SonicWall.com/Support

SonicWall Inc. igazolja, hogy a 2.4 GHz and 5 GHz RLAN/WLAN típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.
Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://www.SonicWall.com/Support

Il fabbricante, SonicWall Inc., dichiara che il tipo di apparecchiatura radio 2.4 GHz and 5 GHz RLAN/WLAN è conforme alla direttiva 2014/53/UE.
Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://www.SonicWall.com/Support

Aš, SonicWall Inc., patvirtinu, kad radijo įrenginių tipas 2.4 GHz and 5 GHz RLAN/WLAN atitinka Direktyvą 2014/53/ES.
Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://www.SonicWall.com/Support

Ar šo SonicWall Inc. deklarē, ka radioiekārta 2.4 GHz and 5 GHz RLAN/WLAN atbilst Direktīvai 2014/53/ES.
Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://www.SonicWall.com/Support

B'dan, SonicWall Inc., niddikjara li dan it-tip ta' tagħmir tar-radju 2.4 GHz and 5 GHz RLAN/WLAN huwa konformi mad-Direttiva 2014/53/UE.
It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://www.SonicWall.com/Support

SonicWall Inc. niniejszym oświadcza, że typ urządzenia radiowego 2.4 GHz and 5 GHz RLAN/WLAN jest zgodny z dyrektywą 2014/53/UE.
Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://www.SonicWall.com/Support

Prin prezenta, SonicWall Inc. declară că tipul de echipamente radio 2.4 GHz and 5 GHz RLAN/WLAN este în conformitate cu Directiva 2014/53/UE.
Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://www.SonicWall.com/Support

SonicWall Inc. týmto vyhlasuje, že rádiové zariadenie typu 2.4 GHz and 5 GHz RLAN/WLAN je v súlade so smernicou 2014/53/EÚ.
Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://www.SonicWall.com/Support

SonicWall Inc. potrjuje, da je tip radijske opreme 2.4 GHz and 5 GHz RLAN/WLAN skladen z Direktivo 2014/53/EU.
Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://www.SonicWall.com/Support

Härmed försäkrar SonicWall Inc. att denna typ av radioutrustning 2.4 GHz and 5 GHz RLAN/WLAN överensstämmer med direktiv 2014/53/EU.
Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://www.SonicWall.com/Support

NOTE: Additional regulatory notifications and information for this product can be found online at: https://www.sonicwall.com/support/technical-documentation

Warranty Information

All SonicWall appliances come with a 1-year Limited Hardware Warranty which provides delivery of critical replacement parts for defective parts under warranty. Visit the Warranty Information page for details on your product's warranty at https://www.sonicwall.com/support.