

Regulatory - Safety Guide

For Edge 710 Devices



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Platform Edge 710 Configurations

Platform SDWAN | Edge 710 devices are available in multiple configurations. See the table below for more information:



Model: Edge 710


Product Family Name	Platform Edge 710	
Part Number	Edge 710-W	Edge 710-5G
Standard Protocol	802.11 a/b/g/n/ac/ax	
Frequency Band	WLAN 2.4: 2.400-2.4835, WLAN 5 GHz:5.150-5.850	WWAN WCDMA:B2/B4/B5 LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/ B30/B38/B41/B42/B48/B66/B67 5GNR: N2.N5/N7/n12/n13/n14/n25/n30/ N38/n41/n42/n43/n46/n66/n70/n71/n77 /n78 GNSS: GPS 1575.42 MHz GLONASS: 1598.0625-1605.375 MHz
RF output power	2.4 Ghz:20 dBm e.i.r.p 5 Ghz: 23 dBm e.i.r.p	WCDMA: 28 dBm LTE/ 5GNR : 30 dBm
WIFI 6 Module(s)	Contains Senao module U2M- PCE2310M	
5G module	NA	Quectel FCC: UM22022RM520N GL
No of channels	WLAN 2.4 GHZ 802.11 b/g/n/ax - 20 MHz:13 channels 802.11 n/ax - 40 MHz: 9 channels WLAN 5 GHZ 802.11 a/n/ac/ax - 20 MHz: 9 channels 802.11 n/ac/ax - 40 MHz:4 channels 802.11 ax/ac - 80 MHz: 2 channels	
Operating Voltage	100-240V 50/60 HZ	
Power supply	external	
Dimensions	206 x 179.5 x 35 mm	
Weight	2 lbs	
Power Load	48w	
Connectivity/Interface Ports	Fiber: GbE SFP Cage x1 with insertion Voltage protection design LAN: GbE x 4 USB: USB 3.0 Type A x1 with 900mA@5V bus power support Console: mini-USB x1 M.2 Slot: 1 x M.2 B Key slot for Wi-fi Module Reset: Reset button x1 Screw DC-Jack : 2.5mm Horizontal DIP Type, w/NUT and Special Washer (rear plane) x1	
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
Country of Origin	Taiwan	

- * Product is not intended for general consumer use.
- * Product is shipped with mounting accessory.
- * Product is shipped with power adaptor, to be installed near the equipment.

Safety Symbols



Follow the safety precautions from the symbols in the table below:

Symbol	Description
NOTE	This label indicates important information that can help you make better use of the product.
CAUTION	This label indicates either potential damage to the hardware or loss of data. It also provides information on how to avoid the problem.
CAUTION	To avoid electrostatic discharge (ESD) damage, wear grounding wrist straps when handling this equipment.
WARNING	Read the user guide before powering up this equipment. This equipment contains one power cable; disconnect before servicing.
Battery Directive 	In the European Union, this label indicates that the batteries in this product must be collected separately and must not be disposed of with household waste. Substances in batteries can have a potential negative impact on health and environment and you have a role in recycling waste batteries, thus contributing to the protection, preservation, and improvement of the quality of the environment. You should contact your local authority or retailer for details of the collection and recycling schemes available.
Waste Electrical And Electronic Equipment (WEEE) Directive 	In the European Union, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to allow recovery and recycling.
Registration, Evaluation, Authorization of Chemicals (REACH)	REACH is the European Union (EU) chemical substances regulatory framework that outlines substances above information on substances of very high 0.1% weight.
WARNING	Explosive / Medical/ Aircraft environments Do not operate in areas where blasting is in progress, near explosives, medical equipment or life supporting or any equipment that may be susceptible to any form of radio interference. Do not operate on any aircraft whether in flight or on the ground as wireless signal may interfere with various onboard systems. In all these environments, product must be powered off.

	Keep the product dry and away from rain. Product is intended for indoor use only.
	Package contains electronic equipment. Please handle with care.
	The cardboard packaging used for this product is recyclable. Please contact your local recycling center on how to recycle it.

Accessory- Rack/Wall Mounting information

For Wall mount installation, follow the below steps:

1	Loosen screws on rubber feet.	
2	Place the wall mount bracket onto the corresponding location.	

General Safety Information

The table below provides additional warnings, cautions, and general safety information:

General Safety Information
Switch off the cellular terminal or mobile before boarding an aircraft. The operation of wireless appliances on an aircraft is forbidden to prevent interference with communication systems. If there is an airplane mode, it should be activated prior to boarding an aircraft. Please consult the airline staff for more restrictions on the use of wireless devices on aircrafts.
Wireless Devices may cause interference on sensitive medical equipment. So please beware of restrictions on the use of wireless devices when in hospitals, clinics, or other healthcare facilities.

To ensure normal operation, follow these guidelines:

- Appliance cover removal: This appliance is not user-serviceable; do not remove appliance cover or attempt to service the appliance.
- Ventilation guidelines: Do not block any openings in the system to avoid overheating of the appliance.
- Water caution: Keep the appliance away from water.
- VMware appliances are intended for indoor use only.

Important: Any modification to this product, unless expressly approved by VMware Inc., could void the user's authority to operate the equipment.

To reduce the risk of bodily injury, electrical shock, fire, and equipment damage, read this document and observe all warnings and precautions in this guide before installing or maintaining your VMware product.

Your VMware appliance should be integrated and serviced only by technically qualified persons.

You must adhere to the guidelines in this guide and the assembly instructions in your VMware product manuals to ensure and maintain compliance with existing product certifications and approvals.

WARNING: COOLING AND AIRFLOW

Carefully route cables as directed to minimize airflow blockage and cooling problems. For proper cooling and airflow, operate the system only with the chassis covers installed. Operating the system without the covers in place can damage system parts.

Do not operate your system with any cover(s) removed.

CAUTION: The internal components, can become extremely hot during operation. Allow sufficient time to cool before handling.

The product is turned on whenever the system is plugged in. To remove power from system, you must unplug the AC or DC power cord from the wall outlet. Your system may use more than one AC or DC power cord. Make sure the AC or DC power cord(s) is/are unplugged before you open the chassis, or add or remove any non-hot plug components.

WARNING: Rack Mount

The equipment rack must be anchored to an unmovable support to prevent it from tipping when a server or piece of equipment is extended from it. The equipment rack must be installed according to the rack manufacturer's instructions.

CAUTION: Moving fan blade.

Keep body parts away from the moving fan blade. 

CAUTION: ESD can damage disk drives, boards, and other parts. We recommend that you perform all procedures at an ESD workstation. If one is not available, provide some ESD protection by wearing an antistatic wrist strap attached to chassis ground - any unpainted metal surface - on your server when handling parts.

Power adaptor: The adaptor must be installed near the equipment and must be easily accessible.

BATTERY WARNING:

Incorrectly installing a battery or using an incompatible battery may increase the risk of fire

or explosion. Replace the battery only with the same or equivalent type. Do not disassemble, crush, or puncture batteries. Do not attempt to open, recharge or service batteries. Do not dispose of batteries in a fire or with household waste. See Battery Disposal instructions.

Battery Description	Battery type	Weight	Model
Lithium manganese dioxide	Button battery	3.2g	BR2032

Do not store or place your battery pack next to or in a heat source such as a fire, heat-generating appliance, car, or exhaust vent. Heating battery cells to temperatures above 75 °C (149 °F) can cause explosion or fire. Do not place batteries in water or moisten them.

WARNING: This product contains a coin cell battery. The battery can cause severe or fatal injuries if swallowed or placed inside the body. Seek medical attention immediately if you suspect that the battery has been swallowed or placed inside the body.

NOTICE: Products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation.

Regulatory Statements

United States



Contains FCC id: U2M-PC2310M

Contains FCC id: U2M-2022RM520NGL

The federal Communication Commission Interference Statement is as follows:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Radiation Exposure Warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

This equipment must be installed and operated in accordance with provided instructions and the antenna (s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Approved Antenna list:

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	AWAN	7102A0620000	Dipole	3.14 dBi (2400-2500 MHz) 4.88 dBi (5150-5250 MHz) 5.06 dBi (5725-5750 MHz)
2	AWAN	7102A0619000	Dipole Antenna	3.13 dBi (2400-2500 MHz) 3.96 dBi (5150-5250 MHz) 4.16 dBi (5725-5750 MHz)
3.	AWAN	A8PEE-100001	Dipole Antenna	0.7 dBi (1920-1980 MHz) 2.17 dBi (880-915 MHz) 1.23 dBi (1710-1785 MHz) 1.0 dBi (2500-2570 MHz) 2.1 dBi (832-862 MHz) 1.36 dBi (703-748 MHz) 0.8 dBi (2010-2025 MHz) 1.07 dBi (2570-2620 MHz) -1.12 dBi (2300- 2400 MHz) 1.07 dBi (2500-2690 MHz) -2.21 dBi (3400-3600 MHz) -2.34 dBi (3600-3800 MHz) -2.34 dBi (3400-4200 MHz) -2.34 dBi (3400 -3800 MHz)
4.	MGEAR	NE3-21096 BR1	Dipole Antenna	2.3 dBi (1920-1980 MHz) 1.14 dBi (880-915 MHz)

				2.76 dBi (1710-1785 MHz)	1.97 dBi (2500-2570 MHz)
				-0.32 dBi (832-862 MHz)	-5 dBi (703-748 MHz)
				0.63 dBi (2010-2025 MHz)	1.97 dBi (2570-2620 MHz)
				1.73 dBi (2300-2400 MHz)	1.98 dBi (2500-2690 MHz)
				1.65 dBi (3400-3600 MHz)	1.02 dBi (3600-3800 MHz)
				1.73 dBi (3400-4200 MHz)	1.65 dBi (3400-3800 MHz)

Canada

Contains IC: 3616C-PCE2310M

Contains IC: 3616C-022RM520NGL

This device complies with ISED's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20 cm between the radiator and your body.

Antenna types not included in the list mentioned above, and are strictly prohibited for use with this device.

Declaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps. Types d'antennes n'est pas inclus dans cette liste, ayant un gain supérieur au gain maximal indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.

Europe

Product has been assessed and found to be in conformity with the essential requirements of the following EU Directives:

- 2014/30/EU (EMC) Electromagnetic Compatibility
- 2014/35/EU (LVD) Low voltage Directive
- 2014/53/EU (RED) Radio Equipment Directive
- 2011/65/EU, 2015/863 RoHS Recast Directive

Waste electrical and electronic equipment (WEEE) directive for recovery, recycle and reuse of IT and telecommunications products. You must recycle or discard this system according to applicable local and national regulations.

In accordance with the European WEEE Directive, electrical and electronic equipment (EEE) is to be collected separately and to be reused, recycled, or recovered at end of life. Users of EEE with the WEEE marking per Annex IV of the WEEE Directive, as shown above, must not dispose of end-of-life EEE as unsorted municipal waste, but use the collection framework available to customers for the return, recycling, and recovery of WEEE.

Customer participation is important to minimize any potential effects of EEE on the environment and human health due to the potential presence of hazardous substances in EEE.

Radiation Exposure Statement: This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. This equipment should be installed and operated with greater than 20 cm between the radiator and your body.

European Union Declaration of Conformity



Hereby, VMWare Inc declares that the radio equipment Model Edge 710 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://sase.vmware.com/resources/edge-declaration-of-conformity>.

Product operates in 2400-2483.5 and 5150-5850 MHz with a max RF output power of 23 dBm EIRP. This device can operate in at least one member state.

Product is considered Class 2 device.

For class 2 device (supporting WLAN 5GHz: 5150-5350 MHz)

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range



BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	PL	SI	SE	NL	PT	SK
AT	RO	FI					

Simplified DoC statement EU languages

<p>Извадка от Ръководството за регулаторна безопасност</p> <p>Опростена ЕС Декларация за съответствие</p> <p>С настоящото VMware Inc. декларира, че радиосъоръжение модел EDGE 710 е в съответствие с Директива 2014/53/ЕС. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес: https://sase.vmware.com/resources/edge-declaration-of-conformity</p> <p>Продуктът работи на честоти в диапазон 2400 – 2483,5 и 5150 – 5850 MHz с максимална радиочестотна изходна мощност от 23 dBm EIRP. Това устройство може да работи в най-малко една държава членка.</p> <p>Продуктът се счита за устройство от клас 2. За устройства от клас 2 (поддържащи WLAN 5 GHz: 5150 – 5350 MHz): Устройството е ограничено само за употреба на закрито при работа в честотния диапазон от 5150 до 5350 MHz.</p>	<p>Български(Bulgarian)</p>
<p>Extrait de la réglementation - Guide de sécurité</p> <p>Déclaration de conformité dans l'Union européenne</p> <p>Par la présente, VMware Inc. déclare que l'équipement radio du modèle EDGE 710 est conforme à la directive 2014/53/UE. Le texte intégral de la déclaration de conformité UE est disponible à l'adresse Internet suivante : https://sase.vmware.com/resources/edge-declaration-of-conformity</p> <p>Le produit fonctionne dans les bandes de fréquences de 2 400 à 2 483,5 MHz et de 5 150 à 5 850 MHz, avec une puissance de sortie radiofréquence maximale, en ce qui concerne la puissance isotrope rayonnée équivalente (PIRE), de 23 dBm. Cet appareil peut fonctionner dans au moins un État membre.</p> <p>Le produit est considéré comme un appareil de classe 2. Pour le périphérique de classe 2 (prenant en charge WLAN 5 GHz : 5 150-5 350 MHz) Lorsqu'il fonctionne dans la plage de fréquences de 5 150 à 5 350 MHz, l'appareil est limité à une utilisation en intérieur uniquement.</p>	<p>Français (French)</p>
<p>Auszug aus dem Sicherheitsleitfaden</p> <p>Konformitätserklärung der Europäischen Union</p> <p>Hiermit erklärt VMware Inc, dass das Funkgerät Modell EDGE 710 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse abrufbar: https://sase.vmware.com/resources/edge-declaration-of-conformity</p> <p>Das Produkt arbeitet in den Frequenzbereichen 2400-2483.5 und 5150-5850 MHz mit einer maximalen RF-Ausgangsleistung von 23 dBm EIRP. Dieses Gerät kann in mindestens einem Mitgliedsstaat betrieben werden.</p> <p>Das Produkt gilt als Gerät der Klasse 2. Für Geräte der Klasse 2 (unterstützt WLAN 5 GHz: 5150-5350 MHz) gilt: Das Gerät ist nur auf den Einsatz in Innenräumen beschränkt, wenn es im Frequenzbereich von 5150 bis 5350 MHz betrieben wird.</p>	<p>Deutsch (Dutch)</p>
<p>Estratto della normativa - Guida per la sicurezza</p> <p>Dichiarazione di conformità alla normativa dell'Unione Europea</p> <p>Con la presente, VMware Inc. dichiara che l'apparecchio radio modello EDGE 710 è conforme alla direttiva 2014/53/EU. Il testo completo della dichiarazione di conformità alla normativa dell'Unione Europea è disponibile al seguente indirizzo Internet: https://sase.vmware.com/resources/edge-declaration-of-conformity.</p> <p>Il prodotto funziona a 2400-2483,5 e 5150-5850 MHz con una potenza massima di uscita RF di 23 dBm EIRP. Questo dispositivo può operare in almeno uno stato membro.</p> <p>Il prodotto è considerato un dispositivo di classe 2. Per il dispositivo di classe 2 (che supporta WLAN di 5 GHz: 5150-5350 MHz) L'utilizzo del dispositivo va limitato agli ambienti interni solo quando funziona nell'intervallo di frequenza da 5150 a 5350 MHz.</p>	<p>Italiano (Italian)</p>
<p>Excerto do Guia de segurança regulamentar</p> <p>Declaração de conformidade da União Europeia</p> <p>Pelo presente, a VMware Inc declara que o equipamento de rádio Modelo EDGE 710 está em conformidade com a Diretiva 2014/53/UE. O texto completo da declaração de conformidade da UE está disponível no seguinte endereço da Internet: https://sase.vmware.com/resources/edge-declaration-of-conformity.</p>	<p>Português (Portuguese)</p>

O produto opera em 2400-2483,5 e 5150-5850 MHz com uma potência de saída de RF máxima com uma PIRE de 23 dBm.
Este dispositivo pode operar em, pelo menos, um Estado-Membro.

O produto é considerado um dispositivo de classe 2.

Para dispositivos de classe 2 (compatíveis com WLAN 5 GHz: 5150-5350 MHz)

O dispositivo está restrito a uma utilização em ambientes interiores apenas quando operado nos intervalos de frequência de 5150 a 5350 MHz.

UK

United Kingdom Declaration of Conformity



Simplified Declaration of Conformity for UK Radio Equipment Regulations 2017

VMware Inc. declares that all UKCA Marked products incorporating Radio Equipment functionality are in compliance with the UK Radio Equipment Regulations.

The full text of the UK declaration of conformity is available at the following internet address: <https://sase.vmware.com/resources/edge-declaration-of-conformity>.



RF Exposure warning

This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The device complies with RF specifications when the device is used at 20 cm from your body.

AU/NZ

Compliance to ACMA



