

Regulatory-Safety Guide

For Edge 510 Devices



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Platform Edge 510 Configurations






Platform Edge 510 devices are available in multiple configurations. See the table below for more information.

Model: 510

Product Family Name	Platform Edge 510		
Configurations Available	Non wireless	WIFI	LTE
Standard Protocol	NA	802.11 a/b/g/n/ac	
Frequency Band		2.400-2.4835, 5.150-5.250, 5.725-5.850	
RF output power		20 dBm e.i.r.p for 2.4 GHz and 5 GHz 24 dBm for LTE	
Module(s)		Contains: Compex WLE900VX Contains : Sierra EM7455 or EM7430	
LTE Band LTE configuration only		WCDMA: Band 1,8 LTE: Band 1,3,5,8,40	
Antenna		2 x internal pcb, 2 x multiband swivel mount dipole	
Modulation		QPSK, DSSS, OFDM, 16QAM, 64QAM,GMSK	
Operating Voltage	100-240V 50/60 HZ		
Power supply	external		
Dimensions	206x180x39.7 mm		
Weight	2 lbs		
Power load	15W/40W		
Connectivity	4-LAN/WAN 1G RJ-45 Integrated WIFI/LTE		
USB	2 USB 2.0		
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	Philippines		

Safety Symbols

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

Symbol	Description
NOTE	'NOTE' indicates important information that can help you make better use of the product.
CAUTION	'CAUTION' indicates either potential damage to the hardware or loss of data and 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 should be collected separately and not 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 enable 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 product dry and away from rain. Product is intended to be use indoor only.
	Package contains electronic equipment, please handle with care.
	The cardboard packaging used here is recyclable, please contact your local recycling center on how to recycle the cardboard packaging that is used for this product.

General Safety Information

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

General Safety Information

To ensure normal operation, follow these guidelines:

- Appliance cover removal: This appliance is not user-serviceable; do not remove appliance covers or attempt to service the appliance.
- Ventilation guidelines: Do not block any openings in the system to avoid overheating the appliance.
- Water caution: Do not get any water on the appliance.
- 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 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 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.

General Safety Information

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 or service batteries. Do not dispose of batteries in a fire or with household waste. See Battery Disposal instructions.

Below is a listing of batteries that could be present in the product:

Battery Description – Batteries	Battery Type	Battery Weight (kg)	Rating
CR-2032 coin cell	Lithium Metal	0.0029	

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.

WARNING: This product may contain a coin cell battery. The battery can cause severe or fatal injuries in 2 hours or less 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 of the product.

Electromagnetic Interference (EMI)

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of radio navigation or other safety service or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service. Radio communications services include, but are not limited to, AM/FM commercial broadcast, television, cellular services, radar, air-traffic control, pager, and Personal Communication Services (PCS). These licensed radio services, and unlicensed radio services, such as WLAN or Bluetooth (along with unintentional radiators such as digital devices, including computer systems), contribute to the electromagnetic environment.

Electromagnetic Compatibility (EMC) is the ability of items of electronic equipment to function properly together in the electronic environment. While this system has been designed and determined to be compliant with regulatory agency limits for EMI, there is no guarantee that interference will not occur in a particular installation. These systems are designed, tested, and classified for their intended electromagnetic environment.

These electromagnetic environment classifications generally refer to the following harmonized definitions:

- Class B products are intended for use in residential/domestic environments but may also be used in non-residential/non-domestic environments.

NOTE: The residential/domestic environment is an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m from where this product is used.

- Class A products are intended for use in non-residential/non-domestic environments. Class A products may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

If this system does cause interference with radio communications services, which can be determined by turning the system off and on, try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the system with respect to the receiver.
- Move the system away from the receiver.
- Plug the system into a different outlet so that the system and the receiver are on different branch circuits.

If necessary, consult an authorized Technical Support representative or an experienced radio/television or EMC technician for additional suggestions.

Information Technology Equipment (ITE), including peripherals, expansion cards, printers, input/output (I/O) devices, monitors, and so on, that are integrated into or connected to the system should match the electromagnetic environment classification of the computer system.

A Notice About Shielded Signal Cables: Use only shielded cables for connecting peripherals to any device to reduce the possibility of interference with radio communications services. Using shielded cables ensures that you maintain the appropriate EMC classification for the intended environment. It has been determined that this product is a Class A harmonized product. The following sections provide country-specific EMC/EMI or product safety information.

Regulatory Statements

United States



Contains FCC id: TK4WLE600VX

Contains FCC id: N7NEM7430

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, and (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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

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

Canada

Contains IC:7849A-WLE600VX

Contains IC:2417C-EM7455

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, and {2} this device must accept any interference received, including interference that may cause undesired operation.

Le present appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : {1} le dispositif ne doit pas produire de brouillage prejudiciable, et {2} ce dispositif doit accepter tout brouillage rec;u, y compris un brouillage susceptible de provoquer un fonctionnement indesirable.

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 20cm between the radiator & your body.

Declaration d'exposition aux radiations:

Cet equipement est conforme aux limites d'exposition aux rayonnements ISED etablies pour un environnement non contr61e. Cet equipement doit etre installe et utilise a plus de 20 cm entre le radiateur et votre corps

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 equipment should be installed and operated with greater than 20cm between the radiator and your body.

Hereby, VMWare Inc declares that the radio equipment Model Edge 510 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 20 dBm EIRP.

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.



AT	BE	BG	CH	CY	CZ	DE	DK	EE
EL	ES	FL	FR	HR	HU	IE	IS	IT
LI	LT	LU	LV	MT	NL	NO	PL	PT
RO	SE	SI	SK	TR	UA	UK (NI)		

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>.

Australia

Compliance to ACMA



Brazil

Anatel Warning Statement

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário

Korean

Korea (Korean warning statement is only required for devices contain 2400~2483 and/or 5725~5825 MHz radios)

해당 무선설비는 운용 중 전파혼신 가능성이 있음

Taiwan

台灣: 國家通訊傳播委員會 低功率電波輻射性電機管理辦法 第十二條經型式認證合格之低功率射頻電機, 非經許可, 公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。第十四條低功率射頻電機之使用不得影響飛航安全及干擾合法通信; 經發現有干擾現象時, 應立即停用, 並改善至無干擾時方得繼續使用。前項合法通信, 指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。在 5.25-5.35 兆赫頻帶內操作之無線資訊傳輸設備, 限於室內使用

Japan

VCCI Class A statement

This is Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology.

Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions. Use the AC power cords with equipment only.

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

Warning Statement

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