Guia de início rápido da série NanoStationM/locoM

conteúdo do pacote

NSM2/NSM3/NSM365/NSM5

NanoStation M2/M3/M365/M5

Gravata

PoE (24V, 0,5A) com suporte de montagem

Cabo de alimentação

locoM2/locoM5

NanoStationlocoM2/M5

Gravata

PoE (24V, 0,5A) com suporte de montagem

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locoM9

NanoStationlocoM9

Gravata

PoE (24V, 0,5A) com suporte de montagem

Cabo de alimentação

Requerimentos de instalação

- Cabeamento blindado de Categoria 5 (ou superior) com fio dreno deve ser usado para todas as conexões Ethernet com fio e deve ser aterrado através do terra CA do PoE.

  We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti. For more details, visit ui.com/toughcable
- Surge protection should be used for all outdoor installations. We recommend that you use two Ethernet Surge Protectors, model ETH-SP, one near the NanoStation and the other at the entry point to the building. The ETH-SP will absorb power surges and safely discharge them into the ground.

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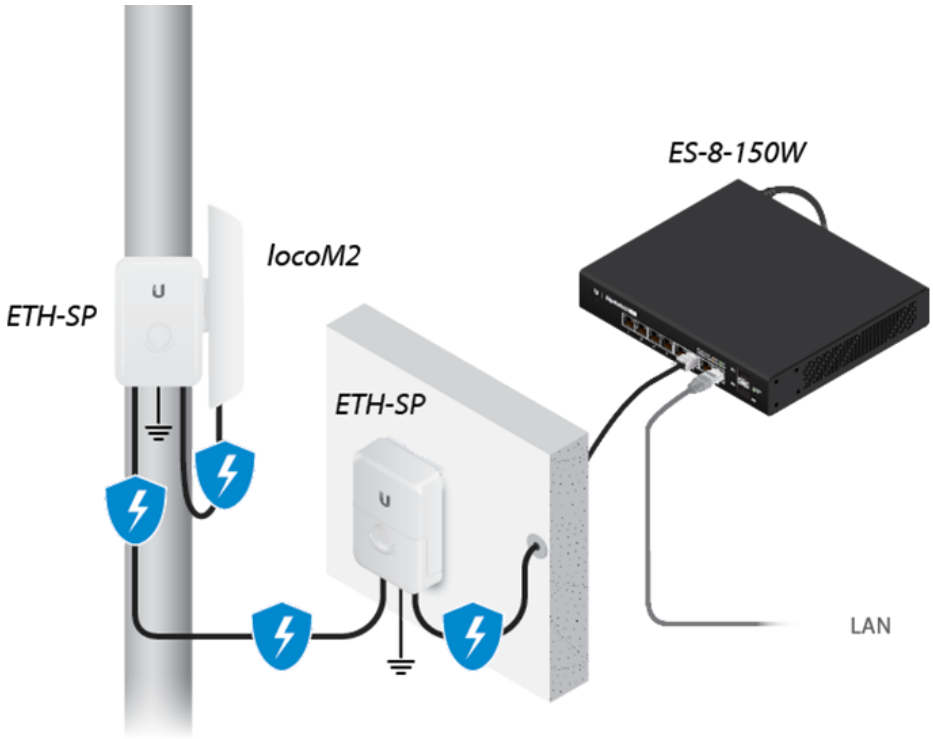

Hardware Overview

NSM2/NSM3/NSM365/NSM5/locoM2/locoM5

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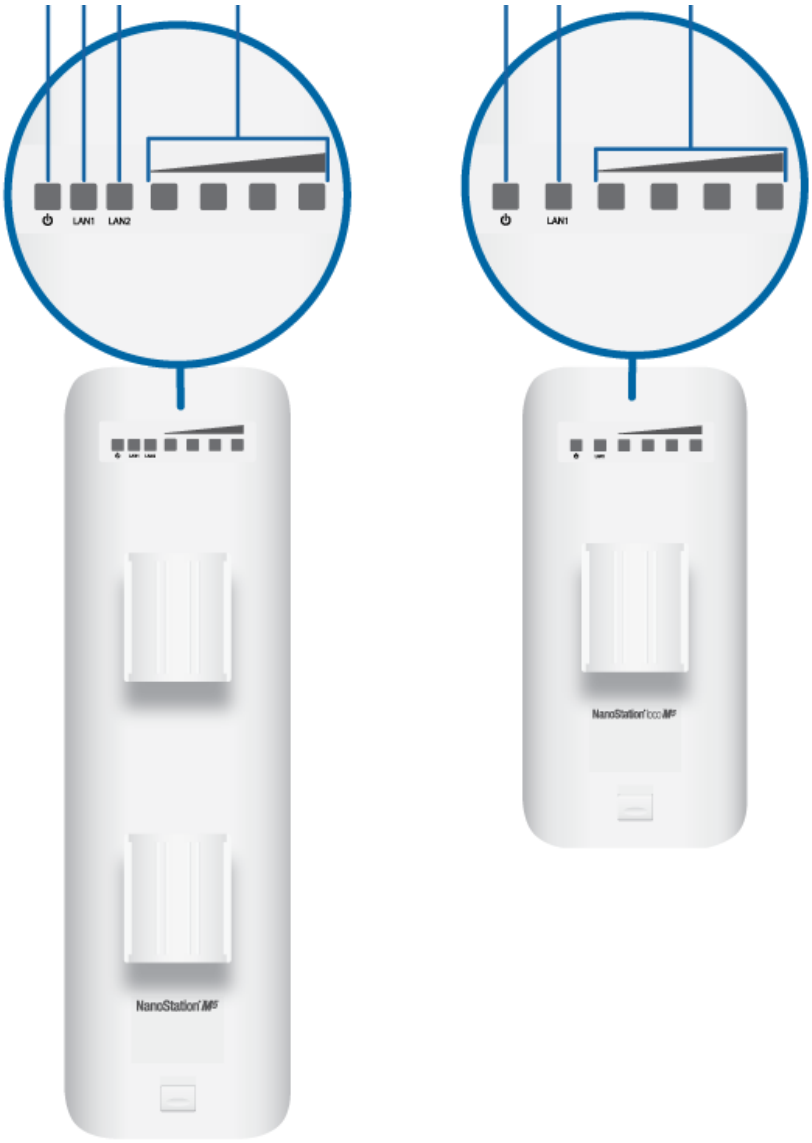
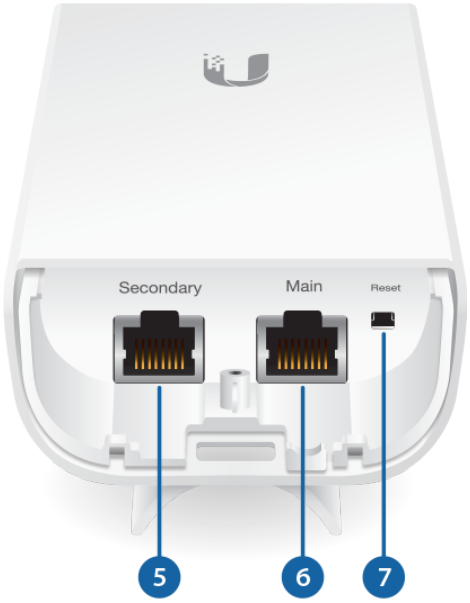
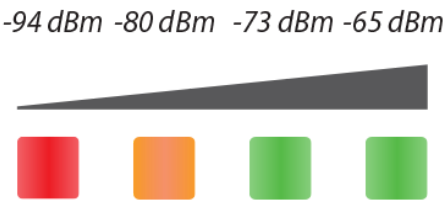




1 Power LED
The LED will light green when the device is connected to a power source.

The LED will light steady green when an active Ethernet connection is made to the Main/LAN port and flash when there is activity.

3 LAN2 LED
(NanoStation M2/M3/M5 only) The LED will light steady green when an active Ethernet connection is made to the Secondary port and flash when there is activity.
4 Signal LEDs
In airOS®, you can modify the threshold values for the wireless signal strength LEDs on the Advanced tab under Signal LED Thresholds. The default values are shown below: 
5 Secondary Port
(NanoStationM2/M3/M5 only) This 10/100 Ethernet port is used for bridging and supports software-configurable PoE passthrough. Note: To use PoE passthrough on the Secondary port, a 24V, 1A PoE adapter is required.
6 Main/LAN* Port
This 10/100 Ethernet port is used to connect the power and should be connected to the LAN and DHCP server.
7 Reset Button
To reset to factory defaults, press and hold the Reset button for more than 10 seconds while the device is powered on. Alternatively, the device may be reset remotely via a Reset button located on the bottom of the PoE adapter.

** The Main port is labeled LAN on the NanoStationlocoM2/M5.*

locoM9

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1 Power LED
The LED will light green when the device is connected to a power source.
2 LAN1 LED
The LED will light steady green when an active Ethernet connection is made to the Main/LAN port and flash when there is activity.
3 Signal LEDs
In airOS®, you can modify the threshold values for the wireless signal strength LEDs on the Advanced tab under Signal LED Thresholds. The default values are shown below:

4 RP-SMA Antenna Connector
Reserved for future use.
5 Main/LAN Port
This 10/100 Ethernet port is used to connect the power and should be connected to the LAN and DHCP server.
6 Reset Button
To reset to factory defaults, press and hold the Reset button for more than 10 seconds while the device is powered on. Alternatively, the device may be reset remotely via a Reset button located on the bottom of the PoE adapter.

Installation

1.

2.

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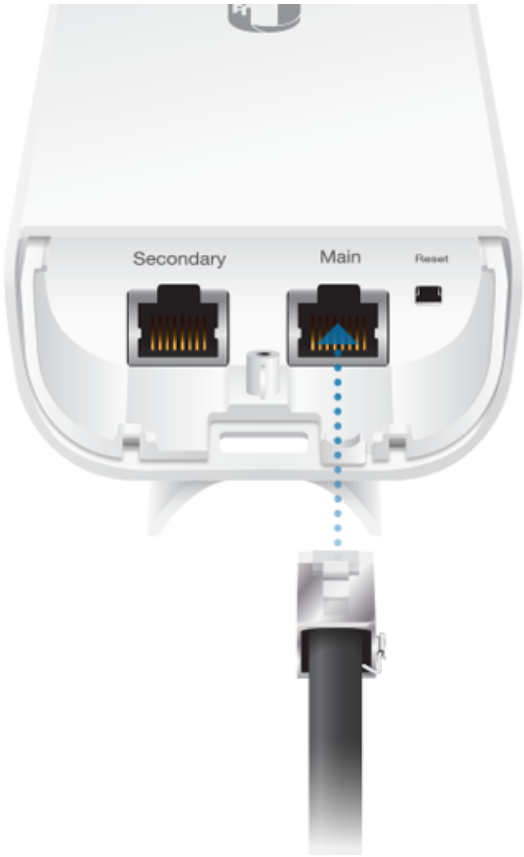

3.
4.

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5.

6.

Connecting Power

WARNING: The switch port must comply with the power specifications listed in this Quick Start Guide.

OR

Optional

Accessing airOS

Verify connectivity in the airOS Configuration Interface.

1. Make sure that your host system is connected via Ethernet to the device.

3. Launch your web browser and type https://192.168.1.20 in the address field. Press enter (PC) or return (Mac).

4. Enter ubnt in the Username and Password fields. Select your Country and Language. You must agree to the Terms of Use to use the product. Click Login.

The airOS Configuration Interface will appear, allowing you to customize your settings as needed. For details, refer to the User Guide available at ui.com/download/airmax

You can also manage your device using the Ubiquiti® Network Management System. Setup using the UNMS™ app requires the U-Installer, sold separately.

Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer's responsibility to make sure the device is operated within local country regulatory requirements.

The Antenna Gain and Output Power fields are provided to the professional installer to assist in meeting regulatory requirements.

Specifications

NanoStationM2/M3/M365/M5	
Dimensions	294 x 30 x 80 mm (11.57 x 1.18 x 3.15")
Weight NSM2/NSM5 NSM3/NSM365	 0.4 kg (14.11 oz) 0.5 kg (17.64 oz)
Gain NSM2 NSM3/NSM365 NSM5	 11 dBi 13.7 dBi 16 dBi
Networking Interface	(2) 10/100 Ethernet Ports
Max. Power Consumption	8W
Power Supply	24V, 0.5A PoE Adapter (Included)
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Mounting	Pole Mounting Kit Included
Operating Temperature	-30 to 75° C (-22 to 167° F)
Operating Humidity	5 to 95% Noncondensing

NSM2	2412 - 2462
NSM3	3400 - 3700
NSM365	3650 - 3675

NSM5 Operating Frequency (MHz)		
Worldwide		5150 - 5875
EU		5150 - 5350, 5470 - 5725, 5725 - 5875
USA	U-NII-1	5150 - 5250
	U-NII-2A	5250 - 5350
	U-NII-2C	5470 - 5725
	U-NII-3	5725 - 5850
CA		5470 - 5600, 5650 - 5725, 5725 - 5850

NanoStationlocoM2/M5/M9	
Dimensions	
locoM9	164 x 72 x 199 mm (6.46 x 2.83 x 7.83")
locoM2/locoM5	163 x 31 x 80 mm (6.42 x 1.22 x 3.15")
Weight	
locoM9	0.9 kg (31.75 oz)
locoM2/locoM5	0.18 kg (6.35 oz)
Gain	
locoM9/locoM2	8 dBi
locoM5	13 dBi
Networking Interface	(1) 10/100 Ethernet Port
Max. Power Consumption	
locoM9	6.5W
locoM2/locoM5	5.5W
Power Supply	24V, 0.5A PoE Adapter (Included)
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Mounting	Pole Mounting Kit Included
Operating Temperature	-30 to 75° C (-22 to 167° F)
Operating Humidity	5 to 95% Noncondensing

locoM2 Operating Frequency (MHz)	
Worldwide	2412 - 2462

locoM5 Operating Frequency (MHz)

Worldwide		5150 - 5875
EU		5150 - 5350, 5470 - 5725, 5725 - 5875
USA	U-NII-1	5150 - 5250
	U-NII-2A	5250 - 5350
	U-NII-2C	5470 - 5725
	U-NII-3	5725 - 5850
CA		5470 - 5600, 5650 - 5725, 5725 - 5850

locoM9 Operating Frequency (MHz)	
Worldwide	902 - 928

Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

WARNING: Do not use this product in location that can be submerged by water.

WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
   a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
   b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
   c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
   d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
   e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This radio transmitter has been approved by FCC.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by ISED Canada.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio a été approuvé par ISDE Canada.

systèmes de satellites mobiles utilisant les mêmes canaux.

IMPORTANT NOTE

Radiation Exposure Statement

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

AVIS IMPORTANT

Déclaration sur l’exposition aux rayonnements

- Cet équipement est conforme aux limites prévues pour l’exposition aux rayonnements dans un environnement non contrôlé.
- Lors de l’installation et de la mise en fonctionnement de l’équipement, assurez-vous qu’il y ait une distance minimale de 20 cm entre l’élément rayonnant et vous.
- Cet émetteur ne doit être installé à proximité d’aucune autre antenne ni d’aucun autre émetteur, et ne doit être utilisé conjointement à aucun autre de ces appareils.

Australia and New Zealand

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Brazil

Nota: Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

CE Marking

A marcação CE neste produto representa que o produto está em conformidade com todas as diretivas que lhe são aplicáveis.

Lista de países

NO	SER	BG	CY	CZ	DE	NS	EE	EL	ES	FI	FR	RH	HU
IE	ISTO	LV	LT	LU	MT	NL	PL	PT	RO	SE	SI	SK	Reino Unido

Membros BFWA (Broadband Fixed Wireless Access) indicados em azul

Nota: Este dispositivo atende a Max. Limite de potência TX de acordo com os regulamentos ETSI.

Nota: Este dispositivo está restrito ao uso interno somente quando operando na faixa de frequência de 5150 - 5350 MHz em todos os estados membros.

Nota: A operação na banda de frequência de 5,8 GHz é proibida nos estados membros da BFWA. Outros países listados podem usar a banda de frequência de 5,8 GHz.

Declaração de Conformidade WEEE

Declaração de conformidade

Recursos online