

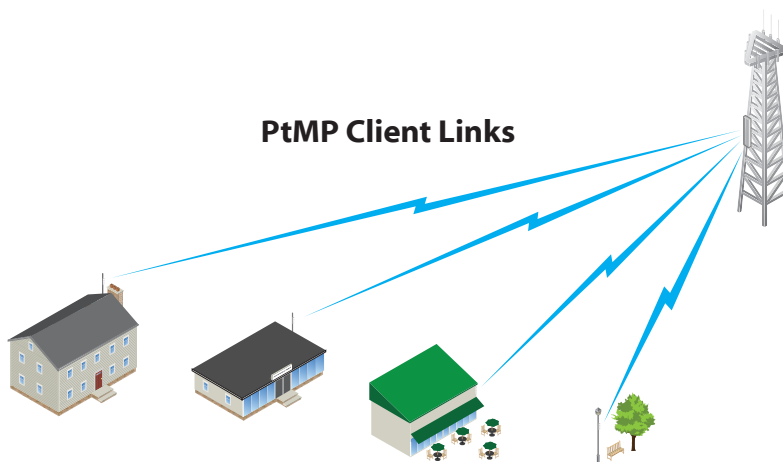
Overview

Leading-Edge Industrial Design

Ubiquiti Networks sets the bar for the world's first low-cost and efficient broadband Customer Premises Equipment (CPE) with the original NanoStation[®]. The NanoStationM and NanoStationlocoM take the same concept to the future with sleek and elegant form factors, along with integrated airMAX[®] (MIMO TDMA protocol) technology.

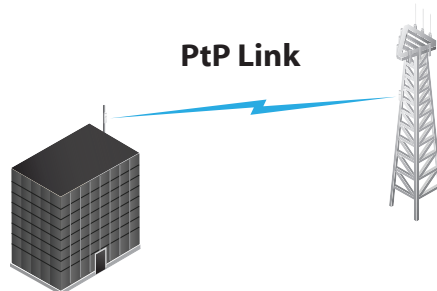
The low cost, high performance, and small form factor of NanoStationM and NanoStationlocoM make them extremely versatile and economical to deploy.

PtMP Client Links



NanoStationM used as powerful clients in an airMAX PtMP (Point-to-Multi-Point) network setup.

PtP Link



Use two NanoStationM devices to create a PtP link.

Utilize airMAX Technology

Unlike standard Wi-Fi protocol, Ubiquiti's Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots scheduled by an intelligent AP controller.

This "time slot" method eliminates hidden node collisions and maximizes airtime efficiency. It provides many magnitudes of performance improvements in latency, throughput, and scalability compared to all other outdoor systems in its class.

Intelligent QoS Priority is given to voice/video for seamless streaming.

Scalability High capacity and scalability.

Long Distance Capable of high-speed, carrier-class links.

Latency Multiple features dramatically reduce noise.

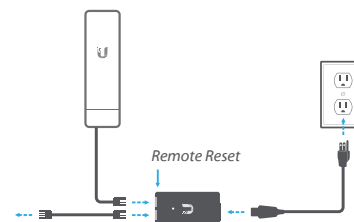
Dual Ethernet Connectivity¹

The NanoStationM provides a secondary Ethernet port with software-enabled PoE output for seamless IP video integration.



Intelligent PoE²

The remote hardware reset circuitry of the NanoStationM allows the device to be remotely reset from the power supply location.



The NanoStationM may also be powered by the Ubiquiti Networks[®] EdgeSwitch[™]. In addition, any NanoStationM can easily become 48V, 802.3af compliant through use of the Ubiquiti[®] Instant 802.3af Adapter (sold separately).

¹ Only NanoStationM models

² Remote reset is an option that is sold separately as the POE-24. The NanoStationM includes a 24V PoE adapter without remote reset.

Specifications

locoM2	
Dimensions	161 x 31 x 80 mm (6.31 x 1.22 x 3.15")
Weight	180 g (6.35 oz)
Power Supply (PoE)	24V, 0.5A
Max. Power Consumption	5.5W
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Operating Frequency	2412-2462 MHz
Gain	8.5 dBi
Networking Interface	(1) 10/100 Ethernet Port
Processor Specs	Atheros MIPS 24Kc, 400 MHz
Memory	32 MB SDRAM, 8 MB Flash
Frequency	2.4 GHz
Cross-pol Isolation	20 dB Minimum
Max. VSWR	1.4:1
Beamwidth	60° (H-pol) / 60° (V-pol) / 60° (Elevation)
Polarization	Dual Linear
Enclosure	Outdoor UV Stabilized Plastic
Mounting	Pole-Mount (Kit Included)
Operating Temperature	-30 to 75° C (-22 to 167° F)
Operating Humidity	5 to 95% Noncondensing
Wireless Approvals	FCC Part 15.247, IC RS210, CE
RoHS Compliance	Yes
Shock & Vibration	ETSI300-019-1.4

Output Power: 23 dBm							
2.4 GHz TX Power Specifications				2.4 GHz RX Power Specifications			
Modulation	Data Rate/MCS	Avg. TX	Tolerance	Modulation	Data Rate/MCS	Sensitivity	Tolerance
11b/g	1-24 Mbps	23 dBm	± 2 dB	11b/g	1-24 Mbps	-83 dBm	± 2 dB
	36 Mbps	21 dBm	± 2 dB		36 Mbps	-80 dBm	± 2 dB
	48 Mbps	19 dBm	± 2 dB		48 Mbps	-77 dBm	± 2 dB
	54 Mbps	18 dBm	± 2 dB		54 Mbps	-75 dBm	± 2 dB
airMAX	MCS0	23 dBm	± 2 dB	airMAX	MCS0	-96 dBm	± 2 dB
	MCS1	23 dBm	± 2 dB		MCS1	-95 dBm	± 2 dB
	MCS2	23 dBm	± 2 dB		MCS2	-92 dBm	± 2 dB
	MCS3	23 dBm	± 2 dB		MCS3	-90 dBm	± 2 dB
	MCS4	22 dBm	± 2 dB		MCS4	-86 dBm	± 2 dB
	MCS5	20 dBm	± 2 dB		MCS5	-83 dBm	± 2 dB
	MCS6	18 dBm	± 2 dB		MCS6	-77 dBm	± 2 dB
	MCS7	17 dBm	± 2 dB		MCS7	-74 dBm	± 2 dB
	MCS8	23 dBm	± 2 dB		MCS8	-95 dBm	± 2 dB
	MCS9	23 dBm	± 2 dB		MCS9	-93 dBm	± 2 dB
	MCS10	23 dBm	± 2 dB		MCS10	-90 dBm	± 2 dB
	MCS11	23 dBm	± 2 dB		MCS11	-87 dBm	± 2 dB
	MCS12	22 dBm	± 2 dB		MCS12	-84 dBm	± 2 dB
	MCS13	20 dBm	± 2 dB		MCS13	-79 dBm	± 2 dB
	MCS14	18 dBm	± 2 dB		MCS14	-78 dBm	± 2 dB
	MCS15	17 dBm	± 2 dB		MCS15	-75 dBm	± 2 dB

