# Datasheet

# NanoStation<sup>™</sup> NanoStation<sup>™</sup> loco M

Indoor/Outdoor airMAX<sup>™</sup> CPE Models: NSM2, NSM3, NSM365, NSM5, locoM2, locoM5, locoM9

Cost-Effective, High-Performance

Compact and Versatile Design

Powerful Integrated Antenna

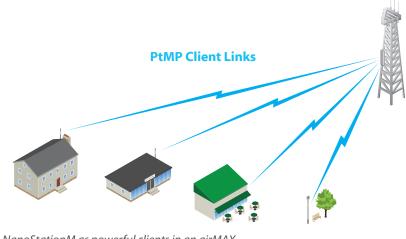


# Overview

### Leading-Edge Industrial Design

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

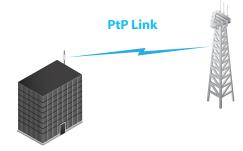
The low cost, high performance, and small form factor of NanoStationM and NanoStationlocoM make them extremely versatile and economical to deploy.



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

**Wireless Client** 





Use two NanoStationM to create a PtP link.

NanoStationM as a powerful wireless client.

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.

1 Only NanoStationM models

### Dual Ethernet Connectivity<sup>1</sup>

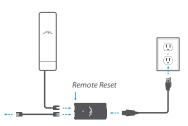
The NanoStationM provides a secondary Ethernet port with software-enabled PoE output for seamless IP video integration.



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

Intelligent PoE<sup>2</sup>

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 TOUGHSwitch PoE. In addition, any NanoStationM can easily become 48V, 802.3af compliant through use of the Ubiquiti Instant 802.3af Adapter (sold separately).

# Models







# NanoStation<sup>™</sup>*M*

Model	Frequency	Gain
NSM2	2.4 GHz	11 dBi
NSM3	3 GHz	13 dBi
NSM365	3.65 GHz	13 dBi
NSM5	5 GHz	16 dBi







# NanoStation<sup>®</sup>loco*M*

Model	Frequency	Gain
locoM2	2.4 GHz	8 dBi
locoM5	5 GHz	13 dBi







Nano	NanoStation <sup>®</sup> loco <i>M</i>			
Model	Frequency	Gain		
locoM9	900 MHz	8 dBi		

# Software

airOS is an intuitive, versatile, highly developed Ubiquiti firmware technology. It is exceptionally intuitive and was designed to require no training to operate. Behind the user interface is a powerful firmware architecture, which enables high-performance, outdoor multi-point networking.

- Protocol Support
- Ubiquiti Channelization
- Spectral Width Adjustment
- ACK Auto-Timing
- AAP Technology
- Multi-Language Support

#### air OS rachet M5 ors Tools MAIN WIRELESS NETWORK ADVANCED SERVICES SYSTEM ‡ Logout Rocket M5 GPS AP MAC: 00:27:22:04:35:C3 Device Name: ork Mode: Bridg ess Mode: Acce SSID: ubnt Bridge Access Poin Noise Floor: Transmit CCQ: Security: none oirMAX. Enabled Version: v5.5-beta6.10763 airMAX Quality Uptime: 00:25:34 Date: 2011-11-16 10:26:28 airMAX Capacity: nnel/Frequency: 158 / 5790 MHz Channel Width: 40 MHz (Upper) airSelect: Disabled GPS Signal Quality: 70 % ACK/Distance: 27 / 0.4 miles (0.6 km) Latitude / Longitude: 33.787437 / -117.862724 TX/RX Chains: 2X2 Altitude: 26 m WLAN0 MAC 00:27:22:04:35:C3 LANO MAC 00:27:22:05:35:C3 LANO MAC 00:27:22:05:35:C3 LAN1 MAC 02:27:22:05:35:C3 LAN0 / LAN1 100Mbps-Full / Unplugge Throughput | Stations | ARP Table | Bridge Table | Routes | GPS Details | Log WLAN0 LANO RX: Obos RX: 4,25kbps TX: Obps X: 8.57kbps

# airView

Integrated on all Ubiquiti M products, airView provides advanced spectrum analyzer functionality: waterfall, waveform, and real-time spectral views allow operators to identify noise signatures and plan their networks to minimize noise interference.

- Waterfall Aggregate energy over time for each frequency.
- **Waveform** Aggregate energy collected.
- **Real-time** Energy is shown in real time as a function of frequency.
- Recording Automize AirView to record and report results.



# *air*Control

airControl is a powerful and intuitive, web-based server network management application, which allows operators to centrally manage entire networks of Ubiquiti devices.

- Network Map
- Monitor Device Status
- Mass Firmware Upgrade
- Web UI Access
- Manage Groups of Devices
- Task Scheduling



# Datasheet

# **Specifications**

System Information							
Model NanoStationM locoM5/M2 loc							
Processor Specs	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 24KC, 400 MHz				
Memory	32 MB SDRAM, 8 MB Flash	32 MB SDRAM, 8 MB Flash	64 MB SDRAM, 8 MB Flash				
Networking Interface	(2) 10/100 Ethernet Ports	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port				

Regulatory/Compliance Information						
Model NSM5/NSM2/locoM5/locoM2 NSM3 NSM365 IocoM9						
Wireless Approvals	FCC Part 15.247, IC RS210, CE	-	FCC Part 90Z	FCC Part 15.247, IC RS210		
RoHS Compliance	Yes	Yes	Yes	Yes		

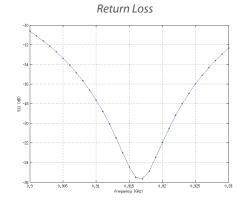
	Physical/Electrical/Environmental						
Model	NSM5	NSM3/365	NSM2	locoM5	locoM2	locoM9	
Dimensions (mm)	294 x 31 x 80	294 x 31 x 80	294 x 31 x 80	163 x 31 x 80	163 x 31 x 80	164 x 72 x 199	
Weight	0.4 kg	0.5 kg	0.4 kg	0.18 kg	0.18 kg	0.9 kg	
Power Supply (PoE)	24V, 0.5A	24V, 1A	24V, 0.5A	24V, 0.5A	24V, 0.5A	24V, 0.5A	
Max. Power Consumption	8 W	8 W	8 W	5.5 W	5.5 W	6.5 W	
Gain	16 dBi	13.7 dBi	11 dBi	13 dBi	8 dBi	8 dBi	
RF Connector	-	-	-	-	-	External RP-SMA	
Polarization			Dual	Linear			
Enclosure Characteristics			Outdoor UV St	abilized Plastic			
Mounting			Pole Mountin	g Kit Included			
Power Method		Passive Po	ower over Etherr	net (pairs 4, 5+; 7	, 8 return)		
Operating Temperature	-30 to 75° C						
Operating Humidity	5 to 95% Condensing						
Shock & Vibration			ETSI300	-019-1.4			

	Operating Frequency Summary (MHz)								
Model	Model NSM5/locoM5 NSM365 NSM3 NSM								
Worldwide	5170 - 5875								
India	5825 - 5875	3650-3675	3400-3700	2412-2462	902-928				
USA	5725 - 5850								
USA DFS	5250 - 5850	-	-	-	-				

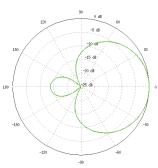
## NanoStationlocoM9 Specifications

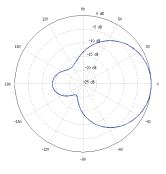
			Output Po	wer: 28 dBm			
	900 MHz TX POWE	R SPECIFICATIONS			900 MHz RX POWI	ER SPECIFICATIONS	
	MCS Index	Avg. TX	Tolerance		MCS Index		Tolerance
	MCS0	28 dBm	± 2 dB		MCS0	-96 dBm	±2dB
	MCS1	28 dBm	± 2 dB		MCS1	-95 dBm	±2dB
	MCS2	28 dBm	± 2 dB		MCS2	-92 dBm	±2dB
	MCS3	28 dBm	± 2 dB		MCS3	-90 dBm	±2dB
	MCS4	28 dBm	± 2 dB		MCS4	-86 dBm	±2dB
	MCS5 24 dBm ± 2 dB		MCS5	-83 dBm	±2dB		
×	MCS6	MCS6 22 dBm ± 2 dB		MCS6	-77 dBm	±2dB	
airMAX	MCS7	21 dBm	± 2 dB	airMAX	MCS7	-74 dBm	±2dB
ai	MCS8	28 dBm	± 2 dB	ai	MCS8	-95 dBm	±2dB
	MCS9	28 dBm	± 2 dB		MCS9	-93 dBm	±2dB
	MCS10	28 dBm	± 2 dB		MCS10	-90 dBm	±2dB
	MCS11	28 dBm	± 2 dB		MCS11	-87 dBm	±2dB
	MCS12 28 dBm ± 2 dB   MCS13 24 dBm ± 2 dB   MCS14 22 dBm ± 2 dB		MCS12	-84 dBm	±2dB		
		24 dBm	± 2 dB	1	MCS13	-79 dBm	±2dB
		22 dBm	± 2 dB		MCS14	-78 dBm	±2dB
	MCS15	21 dBm	± 2 dB		MCS15	-75 dBm	±2dB

Antenna Information				
Gain	7.5 dBi			
Cross-pol Isolation	28 dB Minimum			
Max. VSWR	1.3:1			
Beamwidth	60° (H-pol) / 60° (V-pol) / 60° (Elevation)			



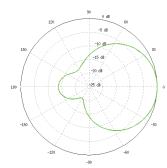
Vertical Azimuth



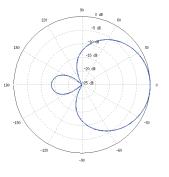


Vertical Elevation

Horizontal Azimuth



Horizontal Elevation



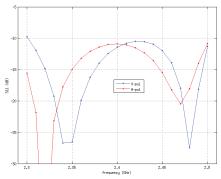
Datasheet

## NanoStationlocoM2 Specifications

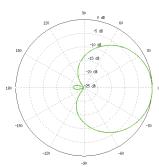
Output Power: 23 dBm							
	2.4 GHz TX POWE	R SPECIFICATIONS		2.4 GHz RX POWER SPECIFICATIONS			
	Data Rate/MCS	Avg. TX	Tolerance		Data Rate/MCS		Tolerance
	1-24 Mbps	23 dBm	± 2 dB		1-24 Mbps	-83 dBm	± 2 dB
11b/g	36 Mbps	21 dBm	± 2 dB	11b/g	36 Mbps	-80 dBm	± 2 dB
111	48 Mbps	19 dBm	± 2 dB	111	48 Mbps	-77 dBm	± 2 dB
	54 Mbps	18 dBm	± 2 dB		54 Mbps	-75 dBm	± 2 dB
	MCS0	23 dBm	± 2 dB		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
airMAX	MCS7	17 dBm	± 2 dB	airMAX	MCS7	-74 dBm	± 2 dB
airN	MCS8	23 dBm	± 2 dB	airN	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	$\pm 2 \text{ dB}$		MCS15	-75 dBm	± 2 dB

Antenna Information				
Gain 8.5 dBi				
Cross-pol Isolation	20 dB Minimum			
Max. VSWR	1.4:1			
Beamwidth	60° (H-pol) / 60° (V-pol) / 60° (Elevation)			

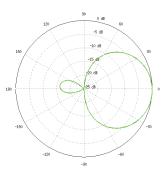




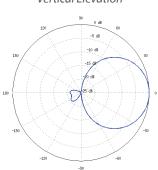




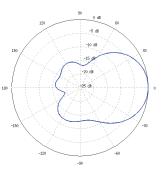
Horizontal Azimuth



Vertical Elevation



Horizontal Elevation

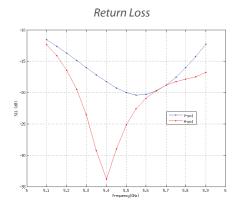


NanoStation M NanoStation loco M

## NanoStationlocoM5 Specifications

			Output Pov	wer: 23 dBm			
	5 GHz TX POWER	SPECIFICATIONS			5 GHz RX POWER	SPECIFICATIONS	
	Data Rate/MCS	Avg. TX	Tolerance		Data Rate/MCS	Sensitivity	Tolerance
	6-24 Mbps	23 dBm	± 2 dB		6-24 Mbps	-83 dBm	±2dB
11b/g	36 Mbps	21 dBm	±2dB	11b/g	36 Mbps	-80 dBm	±2dB
111	48 Mbps	19 dBm	±2dB	111	48 Mbps	-77 dBm	± 2 dB
	54 Mbps	18 dBm	±2dB		54 Mbps	-75 dBm	±2dB
	MCS0	23 dBm	±2dB		MCS0	-96 dBm	± 2 dB
	MCS1	23 dBm	±2dB		MCS1	-95 dBm	± 2 dB
	MCS2	23 dBm	±2dB	-	MCS2	-92 dBm	± 2 dB
	MCS3	23 dBm	±2dB		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	±2dB		MCS6	-77 dBm	± 2 dB
airMAX	MCS7	17 dBm	± 2 dB	airMAX	MCS7	-74 dBm	± 2 dB
airN	MCS8	23 dBm	± 2 dB	airN	MCS8	-95 dBm	± 2 dB
	MCS9	23 dBm	± 2 dB		MCS9	-93 dBm	± 2 dB
	MCS10	23 dBm	±2dB		MCS10	-90 dBm	± 2 dB
	MCS11	23 dBm	±2dB		MCS11	-87 dBm	±2dB
	MCS12	22 dBm	± 2 dB		MCS12	-84 dBm	±2dB
	MCS13	20 dBm	± 2 dB		MCS13	-79 dBm	± 2 dB
	MCS14	18 dBm	±2dB		MCS14	-78 dBm	±2dB
	MCS15	17 dBm	±2dB		MCS15	-75 dBm	± 2 dB

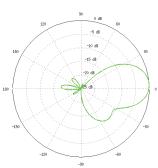
Antenna Information			
Gain	13 dBi		
Cross-pol Isolation	20 dB Minimum		
Max. VSWR	1.4:1		
Beamwidth	45° (H-pol) / 45° (V-pol) / 45° (Elevation)		



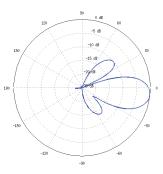
Vertical Azimuth

Horizontal Azimuth

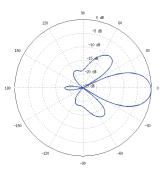
-90



Vertical Elevation



Horizontal Elevation

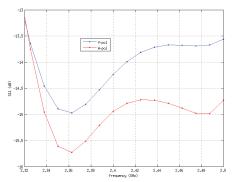


## NanoStationM2 Specifications

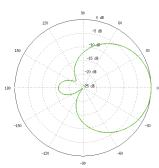
Output Power: 28 dBm							
2.4 GHz TX POWER SPECIFICATIONS			2.4 GHz RX POWER SPECIFICATIONS				
	Data Rate/MCS	Avg. TX	Tolerance		Data Rate/MCS		Tolerance
	1-24 Mbps	28 dBm	± 2 dB		1-24 Mbps	-83 dBm	± 2 dB
11b/g	36 Mbps	26 dBm	± 2 dB	11b/g	36 Mbps	-80 dBm	± 2 dB
11	48 Mbps	25 dBm	± 2 dB	11	48 Mbps	-77 dBm	± 2 dB
	54 Mbps	24 dBm	± 2 dB		54 Mbps	-75 dBm	± 2 dB
	MCS0	28 dBm	± 2 dB		MCS0	-96 dBm	± 2 dB
	MCS1	28 dBm	± 2 dB		MCS1	-95 dBm	± 2 dB
	MCS2	28 dBm	± 2 dB		MCS2	-92 dBm	± 2 dB
	MCS3	28 dBm	± 2 dB		MCS3	-90 dBm	± 2 dB
	MCS4	27 dBm	± 2 dB		MCS4	-86 dBm	± 2 dB
	MCS5 25 dBm	± 2 dB		MCS5	-83 dBm	± 2 dB	
	MCS6	23 dBm	± 2 dB	airMAX	MCS6	-77 dBm	± 2 dB
airMAX	MCS7	22 dBm	± 2 dB		MCS7	-74 dBm	± 2 dB
airN	MCS8	28 dBm	± 2 dB	airN	MCS8	-95 dBm	± 2 dB
	MCS9	28 dBm	± 2 dB	-	MCS9	-93 dBm	± 2 dB
	MCS10	28 dBm	± 2 dB		MCS10	-90 dBm	± 2 dB
	MCS11	28 dBm	± 2 dB		MCS11	-87 dBm	± 2 dB
	MCS12	27 dBm	± 2 dB		MCS12	-84 dBm	± 2 dB
	MCS13	25 dBm	± 2 dB		MCS13	-79 dBm	± 2 dB
	MCS14	23 dBm	± 2 dB		MCS14	-78 dBm	± 2 dB
	MCS15	22 dBm	± 2 dB		MCS15	-75 dBm	± 2 dB

Antenna Information				
Gain	10.4-11.2 dBi			
Cross-pol Isolation	23 dB Minimum			
Max. VSWR	1.6:1			
Beamwidth	55° (H-pol) / 53° (V-pol) / 27° (Elevation)			

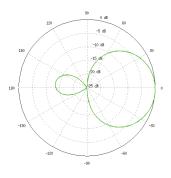
Return Loss



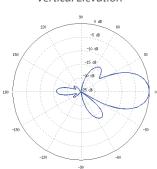




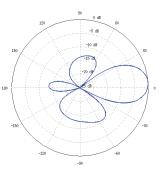
Horizontal Azimuth



Vertical Elevation



Horizontal Elevation



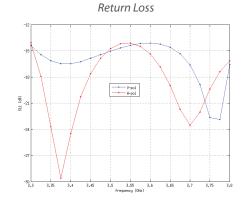
NanoStation M NanoStation loco M

www.ubnt.com/airmax

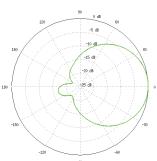
## NanoStationM3/M365 Specifications

Output Power: 25 dBm							
TX POWER SPECIFICATIONS				RX POWER SPECIFICATIONS			
	MCS Index	Avg. TX	Tolerance		MCS Index		Tolerance
	MCS0	25 dBm	±2dB		MCS0	-94 dBm	± 2 dB
	MCS1	25 dBm	±2dB		MCS1	-93dBm	± 2 dB
	MCS2	25 dBm	±2dB		MCS2	-90 dBm	± 2 dB
	MCS3	25 dBm	±2dB		MCS3	-89 dBm	± 2 dB
	MCS4	24 dBm	± 2 dB		MCS4	-86 dBm	± 2 dB
	MCS5	23 dBm	±2dB		MCS5	-83 dBm	± 2 dB
×	MCS6	22 dBm	± 2 dB		MCS6	-77 dBm	± 2 dB
airMAX	MCS7 20 dBm ± 2 dB	airMAX	MCS7	-74 dBm	± 2 dB		
ai	MCS8	25 dBm	± 2 dB	ai	MCS8	-93 dBm	± 2 dB
	MCS9	25 dBm	± 2 dB		MCS9	-91 dBm	± 2 dB
	MCS10	25 dBm	± 2 dB		MCS10	-89 dBm	± 2 dB
	MCS11	25 dBm	± 2 dB		MCS11	-87 dBm	± 2 dB
	MCS12	24 dBm	± 2 dB		MCS12	-84 dBm	± 2 dB
	MCS13	23 dBm	± 2 dB		MCS13	-79 dBm	± 2 dB
	MCS14	22 dBm	± 2 dB		MCS14	-78 dBm	± 2 dB
	MCS15	20 dBm	± 2 dB		MCS15	-75 dBm	± 2 dB

Antenna Information				
Gain	12.2 - 13.7 dBi			
Cross-pol Isolation	28 dB Minimum			
Max. VSWR	1.4:1			
Beamwidth	60° (H-pol) / 60° (V-pol) / 20° (Elevation)			







Horizontal Azimuth

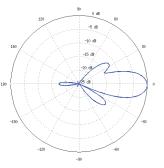
-90

19

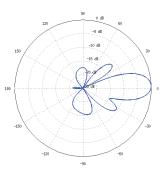
-5 d3

-10 dB





Horizontal Elevation

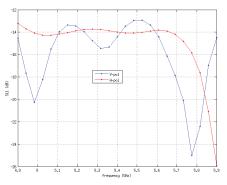


## NanoStationM5 Specifications

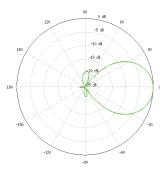
Output Power: 27 dBm							
5 GHz TX POWER SPECIFICATIONS			5 GHz RX POWER SPECIFICATIONS				
	Data Rate/MCS	Avg. TX	Tolerance		Data Rate/MCS		Tolerance
	6-24 Mbps	27 dBm	± 2 dB		6-24 Mbps	-94 dBm	± 2 dB
11a	36 Mbps	25 dBm	± 2 dB	- 1 1 9	36 Mbps	-80 dBm	± 2 dB
7	48 Mbps	23 dBm	± 2 dB	7	48 Mbps	-77 dBm	± 2 dB
	54 Mbps	22 dBm	± 2 dB		54 Mbps	-75 dBm	± 2 dB
	MCS0	27 dBm	± 2 dB		MCS0	-96 dBm	± 2 dB
	MCS1	27 dBm	± 2 dB		MCS1	-95 dBm	± 2 dB
	MCS2	27 dBm	± 2 dB		MCS2	-92 dBm	± 2 dB
	MCS3	27 dBm	± 2 dB		MCS3	-90 dBm	± 2 dB
	MCS4	26 dBm	26 dBm ± 2 dB		MCS4	-86 dBm	± 2 dB
	MCS5	24 dBm	± 2 dB		MCS5	-83 dBm	± 2 dB
×	MCS6	22 dBm	± 2 dB	11n/airMAX	MCS6	-77 dBm	± 2 dB
11n/airMAX	MCS7	21 dBm	± 2 dB		MCS7	-74 dBm	± 2 dB
1n/a	MCS8	27 dBm	± 2 dB		MCS8	-95 dBm	± 2 dB
<del></del>	MCS9	27 dBm	± 2 dB		MCS9	-93 dBm	± 2 dB
	MCS10	27 dBm	± 2 dB		MCS10	-90 dBm	± 2 dB
	MCS11	27 dBm	± 2 dB		MCS11	-87 dBm	± 2 dB
	MCS12	26 dBm	± 2 dB		MCS12	-84 dBm	± 2 dB
	MCS13	24 dBm	± 2 dB		MCS13	-79 dBm	± 2 dB
	MCS14	22 dBm	± 2 dB		MCS14	-78 dBm	± 2 dB
	MCS15	21 dBm	$\pm 2 dB$		MCS15	-75 dBm	± 2 dB

Antenna Information			
Gain	14.6 - 16.1 dBi		
Cross-pol Isolation	22 dB Minimum		
Max. VSWR	1.6:1		
Beamwidth	43° (H-pol) / 41° (V-pol) / 15° (Elevation)		

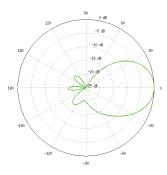




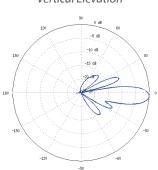
#### Vertical Azimuth



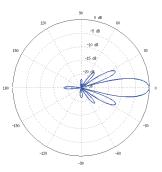
Horizontal Azimuth



Vertical Elevation



#### Horizontal Elevation



## TOUGHCable OUTDOOR CARRIER CLASS SHIELDED

Protect your networks from the most brutal environments with Ubiquiti Networks' industrial-grade, shielded Ethernet cable, TOUGHCable.

#### Increase Performance

Dramatically improve your Ethernet link states, speeds, and overall performance with Ubiquiti TOUGHCables.

#### Extreme Weatherproof

Designed for outdoor use, TOUGHCables have been built to perform even in the harshest weather and environments.

#### **ESD Damage Protection**

Protect your networks from devastating electrostatic discharge (ESD) attacks.

#### **Extended Cable Support**

TOUGHCables have been developed to increase power handling performance for extended cable run lengths.

### **Bulletproof your networks**

TOUGHCable is currently available in two versions: PRO Shielding Protection and CARRIER Shielding Protection.

**TOUGHCable PRO** is a Category 5e, outdoor, carrier-class shielded cable with an integrated ESD drain wire.

#### TOUGHCable CARRIER is a

Category 5e, outdoor, carrier-class shielded cable that features an integrated ESD drain wire, anti-crosstalk divider, and secondary shielding. It is rated to provide optimal performance on Gigabit Ethernet networks.

#### **Additional Information:**

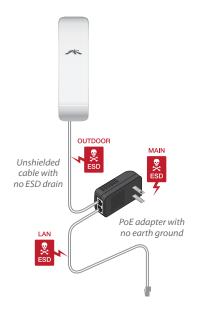
- 24 AWG copper conductor pairs
- 26 AWG integrated ESD drain wire to prevent ESD attacks and damage
- PE outdoor-rated, weatherproof jacket
- Multi-layered shielding
- Available in lengths of 1000 ft (304.8 m)

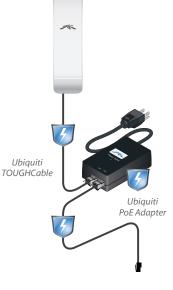


### **TOUGHCable Connectors**

Specifically designed for use with Ubiquiti TOUGHCables and available in 100-pc. bags, TOUGHCable Connectors protect against ESD attacks and Ethernet hardware damage, while allowing rapid field deployment without soldering.

ESD attacks are the leading cause for device failures. The diagram below illustrates the areas vulnerable to ESD attacks in a network. By using a grounded Ubiquiti Power over Ethernet (PoE) Adapter along with Ubiquiti TOUGHCable and TOUGHCable Connectors, you can effectively protect against ESD attacks.







All specifications in this document are subject to change without notice.