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NanoStationM2/M3/M365/M5 Zip Tie PoE (24V, 0.5A) with Mounting Bracket Power Cord NanoStationlocoM2/M5 Zip Tie PoE (24V, 0.5A) with Mounting Bracket Power Cord NanoStationlocoM9 Zip Tie PoE (24V, 0.5A) with Mounting Bracket Power Cord Shielded Category 5 (or above) cabling with drain wire should be used for all wired Ethernet connections and should be grounded through the AC ground of the 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. Hardware Overview Power LED The LED will light green when the device is connected to a power source. 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. 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. 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: 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. Main/LAN* Port This 10/100 Ethernet port is used to connect the power and should be connected to the LAN and DHCP server. 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. locoM9 Power LED The LED will light green when the device is connected to a power source. 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. 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: RP-SMA Antenna Connector Reserved for future use. Main/LAN Port This 10/100 Ethernet port is used to connect the power and should be connected to the LAN and DHCP server. 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 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. Make sure that your host system is connected via Ethernet to the device. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet. Launch your web browser and type in the address field. Press enter (PC) or return (Mac). 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 Internet Service Provider. Setup using the UISP™ 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 0.4 kg (14.11 oz) NSM3/NSM3650.5 kg (17.64 oz) Gain NSM2 11 dBi NSM3/NSM365 13.7 dBi NSM516 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/NSM3/NSM365 Operating Frequency (MHz) 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 locoM9164 x 72 x 199 mm(6.46 x 2.83 x 7.83") locoM2/locoM5163 x 31 x 80 mm(6.42 x 1.22 x 3.15") Weight locoM90.9 kg (31.75 oz) locoM2/locoM50.18 kg (6.35 oz) Gain locoM9/locoM2 8 dBi locoM513 dBi Networking Interface (1) 10/100 Ethernet Port Max. Power Consumption locoM96.5W locoM2/locoM55.5W 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 DisclaimerEXCEPT FOR ANY EXPRESS WARRANTIES PROVIDED HEREIN, UBIQUITI NETWORKS, ITS AFFILIATES, AND ITS AND THEIR THIRD PARTY DATA, SERVICE, SOFTWARE AND HARDWARE PROVIDERS HEREBY DISCLAIM AND MAKE NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, REPRESENTATIONS, GUARANTEES, OR WARRANTIES OF MERCHANTABILITY, ACCURACY, QUALITY OF SERVICE OR RESULTS, AVAILABILITY, SATISFACTORY QUALITY, LACK OF VIRUSES, QUIET ENJOYMENT, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT AND ANY WARRANTIES ARISING FROM ANY COURSE OF DEALING, USAGE OR TRADE PRACTICE IN CONNECTION WITH SUCH PRODUCTS AND SERVICES. 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Quick Start Guide NanoStation Loco M5 Quick Start Guide NanoStation Loco M5 Current View Automatic Zoom Actual Size Page Fit Page Width 50% 75% 100% 125% 150% 200% 300% 400% Enter the password to open this PDF file: Preparing document for printing... 0% Page 2 Quick Start Guide NanoStation Loco M5 Quick Start Guide NanoStation Loco M5 Current View Automatic Zoom Actual Size Page Fit Page Width 50% 75% 100% 125% 150% 200% 300% 400% Enter the password to open this PDF file: Preparing document for printing... 0% Aktualisiert: Jun 16, 2021 NanoStation M5: 5GHz Hi Power 2x2 MIMO AirMax TDMA Station MIMO TDMA Protocol Ubiquiti Networks Inc., 91 E. Tasman Dr., San Jose, CA 95134 www.ubnt.com The Most Powerful NanoStation Ever. DataRate Avg. TX Tolerance DataRate Sensitivity Tolerance 1-24Mbps 27 dBm +/-2dB 24Mbps -83 dBm +/-2dB 36Mbps 25 dBm +/-2dB 36Mbps -80 dBm +/-2dB 48Mbps 23 dBm +/-2dB 48Mbps -77 dBm +/-2dB 54Mbps 22 dBm +/-2dB 54Mbps -75 dBm +/-2dB MCS0 27 dBm +/-2dB MCS0 -96 dBm +/-2dB MCS1 27 dBm +/-2dB MCS1 -95 dBm +/-2dB MCS2 27 dBm +/-2dB MCS2 -92 dBm +/-2dB MCS3 27 dBm +/-2dB MCS3 -90 dBm +/-2dB MCS4 26 dBm +/-2dB MCS4 -86 dBm +/-2dB MCS5 24 dBm +/-2dB MCS5 -83 dBm +/-2dB MCS6 22 dBm +/-2dB MCS6 -77 dBm +/-2dB MCS7 21 dBm +/-2dB MCS7 -74 dBm +/-2dB MCS8 27 dBm +/-2dB MCS8 -95 dBm +/-2dB MCS9 27 dBm +/-2dB MCS9 -93 dBm +/-2dB MCS10 27 dBm +/-2dB MCS10 -90 dBm +/-2dB MCS11 27 dBm +/-2dB MCS11 -87 dBm +/-2dB MCS12 26 dBm +/-2dB MCS12 -84 dBm +/-2dB MCS13 24 dBm +/-2dB MCS13 -79 dBm +/-2dB MCS14 22 dBm +/-2dB MCS14 -78 dBm +/-2dB MCS15 21 dBm +/-2dB MCS15 -75 dBm +/-2dB Passive Power over Ethernet (pairs 4,5+, 7,8 return) Pole Mounting Kit included 15V, 0.8A surge portection integrated POE adapter included Enclosure Characteristics Outdoor UV Stabalized Plastic PHYSICAL / ELECTRICAL / ENVIRONMENTAL 5GHz TX POWER SPECIFICATIONS FCC Part 15.247, IC RS210, CE VSWR H-Pol Azimuth H-Pol Elevation V-Pol Azimuth V-Pol Elevation INTEGRATED 2x2 MIMO ANTENNA REGULATORY / COMPLIANCE INFORMATION OPERATING FREQUENCY 5470MHz-5825MHz 2 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface Atheros MIPS 24KC, 400MHz