

NEMA Enclosure Kits

Pre-assembled Solutions for Easy, Secure, Weatherproof Deployment
Covered by Mojo warranty and support



Figure 1

Figure 2

Sturdy and Reliable for Hazardous Environments

Mojo offers two different Sensor Assemblies in NEMA approved enclosures:

- a sealed unit- for indoor use or for outdoor use in moderate temperature environments
- a heated/cooled unit- for outdoor use in more extreme weather conditions

The enclosure protects against environmental hazards and keeps the sensor and installation safe.

- Protects against moisture, corrosive elements
- Protects against theft or damage

Fast complete installation

The pre-assembled enclosures facilitate quick installation. You save time and save money in installation costs.

Installation Guidelines

- The NEMA units can be mounted indoors-on interior walls or inside false ceiling, or outdoors-on exterior walls, utility poles or other outdoor fixtures.
- The antennas should be properly mounted following guidelines provided with the assemblies.
- Mojo strongly recommends that customers use a licensed electrician/contractor for installation and follow local building codes.

Power Requirements

The Sensor requires 802.3af POE.
The heated/cooled unit requires 120V AC power to the unit to run the heater and fan.

List of Components

The NEMA enclosure kits include the following components:

- Mojo SS-300-AT (802.11n) Sensor
- NEMA enclosure (Sealed unit or Heated/cooled unit)
- Two single-band external antennas each for 2.4 and 5 GHz bands (Figure 1) OR One dual-band (2.4/5 GHz) 6-pack MIMO external antenna (Figure 2)
- Required connectors
- Four lightning arrestors and four 20 foot low loss cables (not applicable for 6-pack MIMO antenna)

The assemblies DO NOT include the following, which the customer must supply:

- Ethernet cable, POE injector
- Grounding cables/kit
- Power cable for heated/cooled unit
- NEMA mounting kit

About Mojo Networks, Inc.

Mojo Networks is redefining the modern WiFi platform. Imagine the scalability to set up millions of access points with a few clicks, all from your smartphone. Envision an Internet experience that engages users with your business to drive results. Stay secure on the same WiFi cloud powering major brands and the highest levels of government. And enjoy the cost savings of a cloud-first solution without the pricey markup of proprietary hardware. Welcome to the era of prolific connectivity. Founded in 2003, Mojo Networks (formerly known as AirTight Networks), serves customers in the Fortune 500, Global 2000 and large carriers around the world. Request a free demo of Mojo Cloud Managed WiFi Platform at www.mojonetworks.com

Enclosure Specifications	Sealed Unit	Heated/Ventilated Unit
Enclosure Material	Fiberglass reinforced polyester	Fiberglass reinforced polyester
Enclosure Color	Machine grey	Machine grey
Enclosure Flame Rating	UL 94-5V	UL 94-5V
RoHS Compliant	Yes (both enclosure and lightning arrestor)	Yes (both enclosure and lightning arrestor)
Enclosure Ratings	NEMA 4X/IP65	NEMA 3R/IP42
Outside Dimensions	15.5 x 13.5 x 7.7 inches	15.5 x 13.5 x 8.7 inches
Weight	18.7 lbs	20.6 lbs
Mounting	Pre-drilled mounting holes in enclosure	Pre-drilled mounting holes in enclosure
Operating Temperature Range	5° to 50° C	Heater operates below 10° C, fan operates above 45° C
Fan operates above 45° C	10 Watts	
Humidity	Up to 95% non-condensing	Up to 95% non-condensing
Power Requirements	Sensor requires 802.3af PoE	Fan & heater require 120V AC, Sensor requires 802.3af PoE
Grounding Specifications	As specified by local building codes	As specified by local building codes
Lightning Protector Electrical Specifications		
Frequency Range	0-6 GHz 0-6 GHz	0-6 GHz 0-6 GHz
VSWR	1:1.5 Max (0-6GHz)	1:1.5 Max (0-6GHz)
Insertion Loss	0.5 db Max (0-6GHz)	0.5 db Max (0-6GHz)
Impedance	50 Ohm	50 Ohm
Gas Tube Breakdown Voltage	90V ± 20%	90V ± 20%
Gas Tube Impulse Breakdown Voltage	1000V ± 20%	1000V ± 20%
RF Power Rating (CW)	10W Continuous	10W Continuous
Cable and Antenna Specifications (not applicable for 6-pack MIMO antenna)		
Antenna Cable Length	Four 20 feet low-loss cables	Four 20 feet low-loss cables
Antenna Cable Specs	Attenuation = 6 to 11 db per 100 feet	Attenuation = 6 to 11 db per 100 feet