

- Complete Set of Qualified Accessories
- Everything for a Robust System Deployment
- Up to 20 Mile Range (Line of Sight)
- License Free Operation (FCC approved)
- Solar Options Available



A complete set of accessories for creating a reliable and high performance wireless system. Typical permanent installations consist of:

Antenna ↔ Low Loss Cable ↔ Lightning Protector ↔ Adapter Cable ↔ Radio



Omni-Directional Whip (ReFlexIO / ioPro WDL)

Model	IOS-WAC-RW
Frequency Bandwidth / Gain	902 to 928MHz / 2dBi
Radiation Pattern	Omni-Directional
Impedance	50Ω
Length / Weight	5.59" (142 mm) / 2 oz (0.06 kg)
Operating Temperature	-10 to 60 °C (14 to 140 °F)
Connector	RP-SMA Female connector on base



Uni-Directional Yagi with Pole Mount

Model	IOS-WAC-Y6
Frequency Bandwidth / Gain	896 to 980MHz / 6dBi
Front to Back Ratio	15dB
Radiation Pattern / Impedance	Uni-Directional / 50Ω
3dB Beam width, E / HPlane	70° / 100°
Length / Weight	13" (33 cm) / 1.12 lb. (0.5 kg)
Operating Temperature	-40 to 85 °C (-40 to 185 °F)
Rated Wind Velocity	125 mph (200 kph)
Material	Aluminum
Connector	N-Female connector on 12" pigtail



Omni-Directional with Pole Mount

Model	IOS-WAC-OMNI6P
Frequency Bandwidth / Gain	824 to 960MHz / 6dBi
Vertical Beam Width	30°
Radiation Pattern / Impedance	Omni-Directional / 50Ω
Length / Weight	23.6" (600 mm) / 2.4 lb. (1.1 kg)
Operating Temperature	-40 to 85 °C (-40 to 185 °F)
Rated Wind Velocity	108 mph (173.1kph)
Radome Material	White Fiberglass
Connector	N-Female connector on base



Omni-Directional for Enclosure Mount

Model	IOS-WAC-OMNI3E
Frequency Bandwidth / Gain	902 to 928MHz / 3dBi
Vertical Beam Width	30°
Radiation Pattern / Impedance	Omni-Directional / 50Ω
Length / Weight	2.7" (68.6 mm) / 8 oz (0.23 kg)
Operating Temperature	-40 to 85 °C (-40 to 185 °F)
Rated Wind Velocity	148 mph (238.1kph)
Radome Material	White Fiberglass
Connector	N-Female connector (5/8" Hole)



Low Loss Antenna Cable

Additional LMR400 Cable Lengths are Available via Special Order Please Contact ioSelect for More Information

Model IOS-WAC-LMR400-025 (25 foot)  
IOS-WAC-LMR400-050 (50 foot)  
Cable Type LMR400 (4dB loss per 100' at 900MHz)  
Connectors N Male to N Male



Lightning Protectors, LPG-NFNF, LPG-NMNF

Model IOS-WAC-LPG-NFNF (N Female to N Female)  
IOS-WAC-LPG-NMNF (N Male to N Female)  
Clearance Hole Size 5/8" (N Female)  
Grounding Separate ground wire required



Radio Adapter Cable (ReFlexIO / ioPro WDL)

Model IOS-WAC-RG58-03  
Cable Type RG58 (13dB loss per 100' at 900MHz)  
Length 3'  
Connectors RP-SMA Male (Right Angle) to N Male



Radio Adapter Cable (ReFlexIO / ioPro WDL)

Model IOS-WAC-RSMA-03  
Cable Type RG58 (13dB loss per 100' at 900MHz)  
Length 3'  
Connectors RP-SMA Male (Right Angle) to RP-SMA Female (Bulkhead - 1/4" Hole)



Wireless IO NEMA 4 Enclosure

Model IOS-WAC-ENCL01-B (Plastic - External mount ant.)  
IOS-WAC-ENCL01-E (Plastic - Enclosure mount ant.)  
IOS-WAC-ENCL02-B (Metal - External mount ant.)  
IOS-WAC-ENCL02-E (Metal - Enclosure mount ant.)

See IOS-WAC-ENCL datasheet for more information



ioSelect Can Provide Complete Wireless Solar Powered Systems

Due to the intricacies of solar systems please contact ioSelect for assistance sizing the system.

**Ordering Information:**

IOS-WAC-RW	Rubber Whip Antenna, RP-SMA Male
IOS-WAC-Y6	Yagi Antenna (6dB), N Female
IOS-WAC-OMNI6P	Omni Antenna (6dB), N Female, Includes Pole Mount Kit
IOS-WAC-OMNI3E	Omni Antenna (3dB), N Female, Enclosure Mount
IOS-WAC-LP-NFNF	Lightning Protector (N Female to N Female) - Replaceable Tube
IOS-WAC-LP-NMNF	Lightning Protector (N Male to N Female) - Replaceable Tube
IOS-WAC-LP-RGT	Replacement Gas Tube
IOS-WAC-RG58-03 RF	Cable (3'), RP-SMA Male to N Male
IOS-WAC-RG58-RSMA03	RF Cable (3'), RP-SMA Male to RP-SMA Female (Bulkhead)
IOS-WAC-LMR400-025	LMR400 RF Cable (25'), N-Male to N-Male, Low Loss
IOS-WAC-LMR400-050	LMR400 RF Cable (50'), N-Male to N-Male, Low Loss
IOS-WAC-LMR400-100	LMR400 RF Cable (100'), N-Male to N-Male, Low Loss