

Wireless Accessories

Antennas, Cables, and More

- 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 Frequency Bandwidth / Gain Radiation Pattern Impedance Length / Weight Operating Temperature Connector

IOS-WAC-RW 902 to 928MHz / 2dBi Omni-Directional 50Ω 5.59" (142 mm) / 2 oz (0.06 kg) -10 to 60 °C (14 to 140 °F)

RP-SMA Female connector on base



Uni-Directional Yagi with Pole Mount

Model Frequency Bandwidth / Gain Front to Back Ratio Radiation Pattern / Impedance 3dB Beam width, E / HPlane Length / Weight Operating Temperature Rated Wind Velocity Material

Connector

IOS-WAC-Y6 896 to 980MHz / 6dBi 15dB Uni-Directional / 50Ω 70° / 100° 13" (33 cm) / 1.12 lb. (0.5 kg) -40 to 85 °C (-40 to 185 °F) 125 mph (200 kph) Aluminum N-Female connector on 12" pigtail



Omni-Directional with Pole Mount

Model Frequency Bandwidth / Gain Vertical Beam Width Radiation Pattern / Impedance Length / Weight Operating Temperature Rated Wind Velocity Radome Material Connector

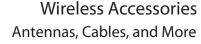
IOS-WAC-OMNI6P 824 to 960MHz / 6dBi Omni-Directional / 50Ω 23.6" (600 mm) / 2.4 lb. (1.1 kg) -40 to 85 °C (-40 to 185 °F) 108 mph (173.1kph) White Fiberglass N-Female connector on base



Omni-Directional for Enclosure Mount

Model Frequency Bandwidth / Gain Vertical Beam Width Radiation Pattern / Impedance Length / Weight Operating Temperature Rated Wind Velocity Radome Materiál Connector

IOS-WAC-OMNI3E 902 to 928MHz / 3dBi Omni-Directional / 50Ω 2.7" (68.6 mm) / 8 oz (0.23 kg) -40 to 85 °C (-40 to 185 °F) 148 mph (238.1kph) White Fiberglass N-Female connector (5/8" Hole)







Low Loss Antenna Cable

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

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



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 RG5 Length 3'

Connectors

RG58 (13dB loss per 100' at 900MHz)

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

IOS-WAC-RW Rubber Whip Antenna, RP-SMA Male IOS-WAC-Y6 Yagi Antenna (6dB), N Female

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-NFNF Lightning Protector (N Female) - Replaceable Tube

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-RSMA03RF Cable (3'), RP-SMA Male to RP-SMA Female (Bulkhead)IOS-WAC-LMR400-025LMR400 RF Cable (25'), N-Male to N-Male, Low LossIOS-WAC-LMR400-050LMR400 RF Cable (50'), N-Male to N-Male, Low LossIOS-WAC-LMR400-100LMR400 RF Cable (100'), N-Male to N-Male, Low Loss

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