

## High power, long range wireless Ethernet systems up to 540 Mbps.

### Sielox Wireless

The Sielox Wireless solution combines low cost, ease of installation and a robust Radio Frequency operation. The AW900, AW2400, and the AW58100 systems allow you to build your own long-range, point-to-point or point-to-multipoint wireless Ethernet solution.

### Why use 900 MHz / 2.4 GHz / 5.8 GHz

Sielox Wireless utilizes narrow bandwidth and high power to produce the longest range wireless Ethernet links on the market today. Our radios provide a large number of discrete channels and have built-in frequency intelligence to provide robust immunity to interference.

- The 900 MHz products use a low frequency that can penetrate through trees and building walls.
- The 2.4 GHz band is the most globally accepted unlicensed portion of the RF spectrum. This unique solution offers 29 non-overlapping channels and maximum legal power to provide five times the range of Wi-Fi through walls or line-of-sight.
- The 5.8 GHz products operate in a relatively quiet spectrum that has low interference and noise, providing transmission distances of 30 miles or more even in high RF noise environments.



## Product Specifications:

| Part #                      | Description   |   |
|-----------------------------|---|---|
| <b>AW900xTR<br/>-PAIR</b>   | <b>900MHz Outdoor Wireless Ethernet Bridge</b><br>Ethernet bridge pair, (2) 900MHz radios with external 11dBi Yagi Antennas and (2) 2.5dBi Omnidirectional antennas , Multi-Point-Ready, IP addressable, browser- configurable, outdoor Ethernet radio transceiver with built-in spectrum analyzer and IP66 cast aluminum enclosure. With non line-of-site capabilities, these radios can easily penetrate up to 1,500' through trees or up to 40 miles line-of-sight and supports industrial-grade temperature ranges. |    |
| <b>AW900xTP<br/>-PAIR</b>   | <b>900MHz Outdoor Ethernet Panel Bridge</b><br>Ethernet bridge pair, (2) 900MHz radios with integrated 12.5dBi panel antenna - Multi-Point-Ready, IP addressable, browser- configurable, outdoor Ethernet radio transceiver with built-in Spectrum Analyzer and IP66 cast aluminum enclosure. Mounting hardware included fits 1/2 to 4 inch pole. Line-of-sight range up to 25 miles.   |    |
| <b>AW900iTR<br/>-PAIR</b>   | <b>900MHz Indoor Wireless Ethernet Radio</b><br>Ethernet bridge pair, (2) 900MHz radios with 2.5dBi Omnidirectional , Multi-Point-Ready, IP addressable, browser- configurable, indoor Ethernet radio transceiver with built-in Spectrum Analyzer and power supplies. With non line-of-site capabilities, these radios can easily penetrate indoors up to 1,500' or through 10 building walls. Line-of-sight range up to 40 miles with 15 dBi antenna.  |    |
| <b>AW900xTR</b>             | <b>900 MHz Outdoor Wireless Ethernet Radio</b><br>900MHz Ethernet radio with 2.5dBi Omnidirectional Antenna , Multi-Point-Ready, IP addressable, browser- configurable, outdoor Ethernet radio transceiver with built-in Spectrum Analyzer and IP66 cast aluminum enclosure. Line-of-sight range up to 40 miles with AW15-900 15 dBi antenna.   |   |
| <b>AW2400iTR-<br/>PAIR</b>  | <b>2.4 GHz Indoor Wireless Ethernet Radio</b><br>Ethernet bridge pair, (2) 2.4 Ghz radios with 2.5dBi Omni-Directional , Multi-Point-Ready, IP addressable, browser- configurable, indoor Ethernet radio transceiver with built- in Spectrum Analyzer and power supplies. Up to 30 mile range to connect to difficult locations   |  |
| <b>AW2400xTP<br/>-PAIR</b>  | <b>2.4 GHz Outdoor Ethernet Panel Bridge</b><br>Ethernet bridge pair, (2) 2.4 Ghz radios with integrated 19 dBi panel antenna - Multi-Point-Ready, IP addressable, browser- configurable, outdoor Ethernet radio transceiver with built-in Spectrum Analyzer and IP66 cast aluminum enclosure. Mounting hardware included fits 1/2 to 4 inch pole. Line-of-sight range up to 30 miles   |  |
| <b>AW58100HTP<br/>-PAIR</b> | <b>5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio</b><br>5.8 Ghz Outdoor High Speed 100 Mbps Ethernet Radios available for Point-to-Point with a line of site of up to 30 Miles and Point-to-Multipoint with a line of site of up to 5 Miles.   |  |
| <b>AW58300HTP<br/>-PAIR</b> | <b>5.8 GHz Outdoor 300 Mbps Wireless Ethernet</b><br>5.8 Ghz Outdoor High Speed 300 Mbps Ethernet Radios available for Point-to-Point with a line of site of up to 30 Miles and Point-to-Multipoint with a line of site of up to 5 Miles.   |  |

Since 1979, Sielox has designed and marketed intuitive security management systems through a network of select business partners to a variety of end-users within commercial, education, financial, government, industrial, manufacturing and retail markets. From entry-level to enterprise-wide, Sielox scalable solutions exceed today's complex and demanding security environments. Headquartered in Runnemede, New Jersey, Sielox prides itself by providing "Made in USA" solutions.