

Horizon 900

Advanced Wireless Solutions

Core Values & Key Features

FREQUENCY FLEXIBILITY

Offered in 900MHz for Greater Range and Line-of-Sight Flexibility to support your application strategies.



- License-Free 900MHz (902-928MHz)
- 1-72 Mbps
- OFDM Modulation

ADVANCED SECURITY

Enhanced network security featuring AES 256 encryption, stringent access controls, and advanced network segmentation capabilities.



- AES-128/256 Encryption, WPA2 PSK/Enterprise
- Stringent Network Access Controls
- Network Segmentation Strategies

LONG RANGE VARIED SETUPS

Experience high-speed connectivity at maximum range, exceptional indoor coverage, and extensive outdoor reach. Designed for future readiness.



- Maximum Coverage at Full Speed
- Versatile Mounting: Cabinet, DIN, or Direct Pole
- 9 User Selectable Modes of Operation
 - ❖ Fixed Location & Mobile/Client

MESH NETWORK RELIABILITY

Ensures continuous uptime and data integrity with self-healing, redundant MESH technology, delivering real-time data access.



- Dynamic, Self-Healing MESH Networking
- Prioritized Communication Routes
- Auto MESH setup with “Rapid Ready Link”

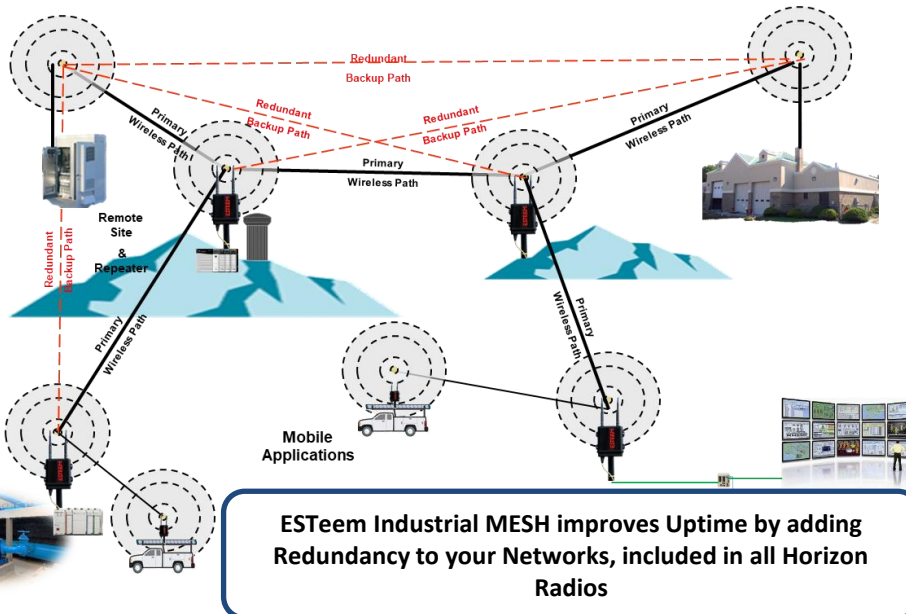
NETWORK VISIBILITY LONGEVITY

Proactive real-time monitoring via SNMP or ModbusTCP enhances wireless network efficiency and security.



- Scalable, Adaptable Network Solutions
- Real-time Network Health Monitoring
- Forward/Backward Generational Compatibility





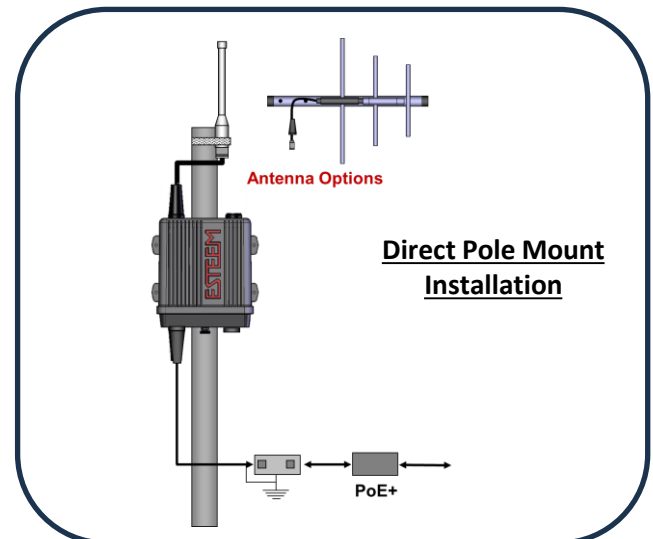
**Enclosure Installation
- DIN Mount Option**



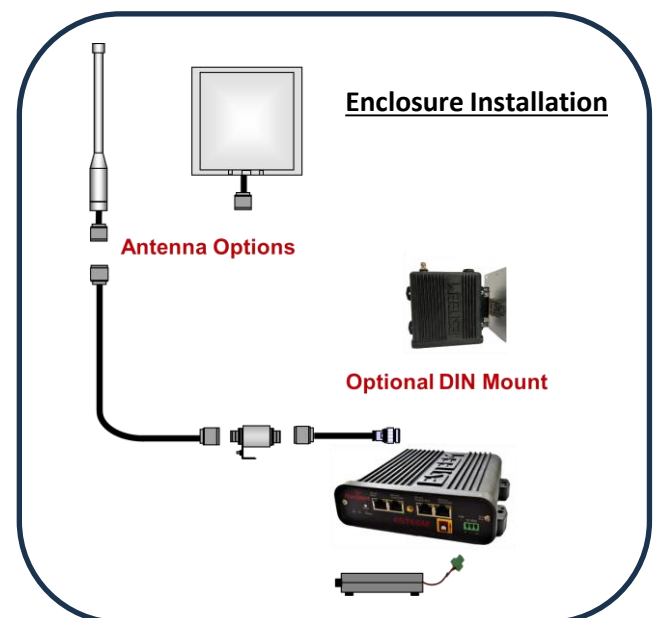
**Direct NEMA 4 Installation
- Pole Mount Option**

Horizon Series Specifications

-Transmitter/Receiver-	Horizon 900
Frequency of Operation (Software Selectable)	902-928 MHz (4 Channels)
RF Data Rate	1 - 72.2 Mbps
Max TX Output Power (Software Selectable)	1W (30dBm)
Channel Bandwidth	5, 10, or 20 MHz
TX Output Impedance	50 ohms
RX Sensitivity	-93 dBm
FCC Type Acceptance	ENPHZN216AD
Industry Canada Type Acceptance	2163A-216AD
LED Indicators	Power, Status, TX, RX (On/Off)
-Power Requirements-	
Receive	600mA @ 12V DC
Transmit	1.25A @ 12V DC
PoE Power Supply	30W PoE+ (IEEE 802.3at)
Auxillary Power Input	10 - 16V DC @ 1.5A
-Input/Output Connectors-	
Ethernet Port 1 & 2 (10/100/1000)	RJ-45 Female
802.11 Compatibility	None
RS-232C Data Port (2400 to 115200 baud)	RJ-45 Female
RS-232C Programming Port (115200,8,N,1)	RJ-45 Female
Antenna Input/Output	TNC-F/RP
External DC Input Power	Mini-Combicon, 3-Pin Female
-Case-	
Temperature Range	-30° to +60° C
Humidity	95% Non-Condensing
Dimensions	1.9"H x 6.7"W x 6.2"L
Weight	1.25 lbs.
Product Warranty	1 Year
-Other-	
Outdoor Pole Mount Kit	AA195PM (NEMA4 Rated)
GPS Location	Optional Add-On (Factory Installed)
Wi-Fi Access	Optional Add-On (Factory Installed)
PoE Power Supply	AA175.5 (Optional)
Security	WEP-64/128, TKIP, WPA, WPA2, AES-128/256



**Direct Pole Mount
Installation**



Enclosure Installation

Optional DIN Mount