

The ESTeem Model 195E series of radios (195Eg, 195Ed, 195Ep, 195Ea and 195Es) are at the end of their life cycle due to advancements in wireless technology and availability of key parts used in production. The Model 195Eg was the first radio in this innovative Model 195E series was released in 2005 and has been in production for over 12 years. This series of radios allowed the integration of high-speed wireless Ethernet and legacy serial into a NEMA-4 rated, outdoor case specifically built for the rigors of industrial applications and expanded to cover frequency bands from 900 MHz to 5.8 GHz.

ESTeem is proud to continue the legacy of the 195E series with the release of the Horizon series of wireless products. The Horizon has kept the key features of the 195E series:

1. Outdoor mounting with a NEMA-4 rated weatherproof case.
2. Power over Ethernet (PoE) for simple and cost effective installations.
3. High security AES encryption standards.
4. High RF output powers for maximum outdoor range and coverage areas.
5. IndustrialMESH technology for self-healing network reliability

The Horizon series provides the following in **addition** to all the above features:

1. IEEE 802.11n support for 2.4 GHz (Horizon 2.4) and 5.8 GHz (Horizon 5.8) for high-speed client access.
2. Higher RF throughputs but downward compatibility to most 195E series radios
3. GPS output option to provide location data on mobile radio.
4. Replacement memory module for greatly simplified network troubleshooting.

Model 195E Series



Horizon Series



Model 195Eg (2.4 GHz)	Horizon 2.4 GHz
802.11g/b Compatibility	802.11n/g/b Compatibility
54 Mbps RF Throughput	150 Mbps Throughput
Full Downward Compatibility Between Radios!	
Model 195Ed (900 MHz)	Horizon 900 MHz
Up to 54 Mbps	Up to 72 Mbps
Full Downward Compatibility Between Radios!	
Model 195Ea (5.8 GHz)	Horizon 5.8 GHz
802.11a Compatibility	802.11n/a Compatibility
54 Mbps RF Throughput	300 Mbps Throughput
Full Downward Compatibility Between Radios!	
Model 195Ep (4.9 GHz)	Horizon 4.9 GHz
Up to 54 Mbps	Up to 72 Mbps
Full Downward Compatibility Between Radios!	
Model 195Es (900 MHz)	Edge 900 MHz
Frequency Hopping Spread Spectrum	Frequency Hopping and DTS Mode
200 Kbps Throughput	1.2 Mbps Throughput
No Compatibility	