

## Horizon 5.8

The **ESTeem Horizon 5.8** is a ruggedized, industrial grade 5.8GHz Access Point (AP) Bridge designed and built for harsh environments. The

**ESTeem Horizon 5.8** provides robust speeds (to 300Mbps) and extended range to deliver the reliable and secure wireless WiFi networks required today to provide complete connectivity for remote learning. Scalable Wireless networking for even greater coverage areas become a reality using the Horizon **IndustrialMESH** Technology.



### Key Features

- **WiFi**—802.11a/n Compatible
- Highly Secure (AES) encryption
- Simplified configuration
- 24 dBm output power for expanded coverage area
- Built to be mounted outdoors directly in the harsh elements — Extended Temperature Range and NEMA 4 rated protection
- ESTeem’s scalable 5.8GHz **IndustrialMESH** technology enables wirelessly bridging multiple AP’s for even greater coverage



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ESTeem Horizon 5.8 Specifications	
<b>Transmitter/Receiver</b>	
Frequency of Operation (Software Selectable)	5.745 to 5.825 GHz (17-channels)
RF Data Rate	6 to 300 Mbps
Tx Output Power (Software Selectable)	250 mW (24dBm)
Channel Bandwidth	5 MHz, 10 MHz, 20 MHz or 40 MHz
Tx Output Impedance	50 ohms
Rx Sensitivity	-93 to -73 dBm
FCC Type Acceptance	TV7R11E5HND
Industry Canada Type Acceptance	Not Approved
LED Indicators	Power (On/Off) - Status (On/Off) - Transmitter (On/Off) - Receiver (On/Off)
<b>Power Requirements</b>	
Receive	250 ma @ 12 VDC
Transmit	1.25 A @ 12 VDC
PoE Power Supply	(IEEE 802.3at,30 watts) (opt)
External Power Input	10 to 16 VDC @ 1.5 A
<b>Input/Output Connectors</b>	
Ethernet Port 1 (10/100/1000)	RJ-45 Female
Ethernet Port 2 (10/100/1000)	
802.11 Compatibility	802.11n/a
RS-232C Data Port (2,400 to 115.2 K baud)	RJ-45 Female
RS-232C Programming Port (115,200,N,8,1)	
Antenna Input/Outputs	TNC Reverse Female
External DC Input Power	Mini-Combicon, 3-pin Female
<b>Case</b>	
Temperature Range	-30° to +60° C
Humidity	95% Non-condensing
Dimensions	1.9 in. H x 6.7 in. W x 6.2 in. L
Weight	1.25 lbs.
Product Warranty	1 Year
<b>Other</b>	
Outdoor Pole Mt. Kit	AA195PM (NEMA4 Rating When Used)
PoE Power Supply	AA175.5 (opt)
GPS Location	Optional (Factory Installed)
Security	WPA2, WPA, AES-128/256, TKIP, WEP-64/128 MAC ID filter <input type="checkbox"/>

