AP600E

WiFi 6E Access Point

The Horizon AP600E Wi-Fi 6E AP is the next generation of Wi-Fi 6E industrial access points, which utilizes the latest 6GHz wireless technology. It supports a massive 160MHz bandwidth and a wireless data transmission rate of 10.2Gbps, using the latest 802.11ax wireless technology. The maximum data transmission rates are 574Mbps in 2.4GHz, 4.8Gbps in 5.8GHz, and 4.8Gbps in 6GHz, which is 3x higher than earlier generations.

The AP600E boasts unparalleled power and reach using an external omnidirectional antenna and a built-in high-gain directional antenna that provides 600m of omnidirectional coverage. With an IP67 rating and a metal shell, the AP600E is capable of operating in the harshest environments, meeting WLAN coverage requirements for most industrial standards.

High Speeds
Supports 160Mhz Bandwidth

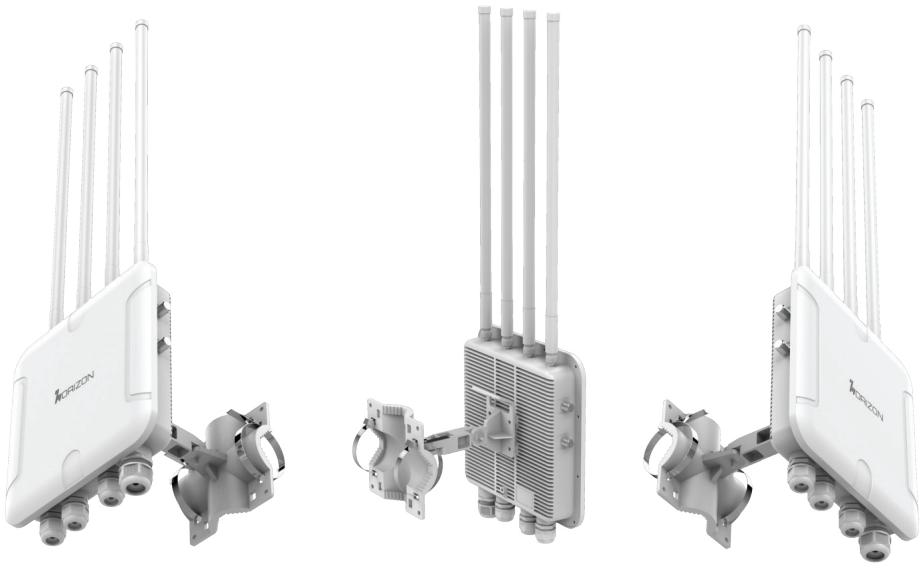
Wide Coverage
Up to 400m

Heavy Duty
IP67 with Metal Shell

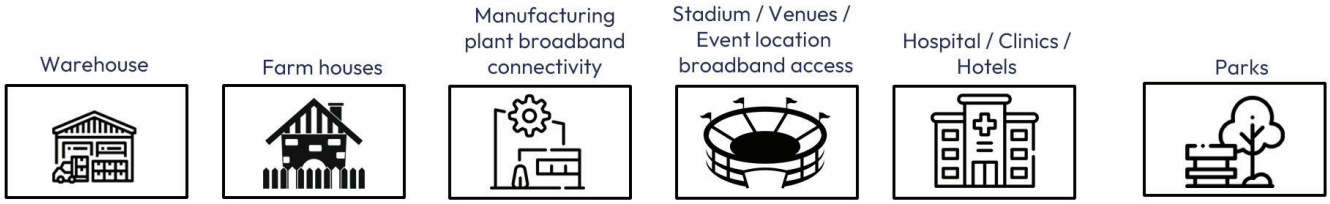
Superior Compatibility
Supports 2.4GHz, 5.8GHz and 6GHz

KEY FEATURES

Chipset	Qualcomm Solution IPQ5018+QCN6024+QCN9024
Wi-Fi Standard	Wi-Fi 6E 6 GHz IEEE 802.11ax/ac/n/a 5.8 GHz IEEE 802.11ax/ac/n/a 2.4 GHz IEEE 802.11ax/n/b/g
Wireless Rate	AX10200 6 GHz: 4804 Mbps (802.11ax, HE160 5.8 GHz: 4804 Mbps (802.11ax, HE160) 2.4 GHz: 574 Mbps (802.11ax)
Antenna	6GHz 12 dBi, built-in 5GHz 7 dBi, Omnidirectional
Omni	2.4 GHz 5 dBi, Omnidirectional
Antenna Gain	H:65 V:45 6GHz 12 dBi 5GHz 13 dBi 2.4GHz 8dBi
Radio Max users	2.4G/64,5.8G/256,6G/256(MAX 500+)
Power Output	6 GHz 30 dBm 5 GHz 30 dBm 2.4 GHz 27 dBm
Processor	Qualcomm-based 1GB DDR3(512M*2) Dual-core ARM Cortex-A53 1.0 GHz, 1GB DDR3, 1GB nand flash
Interfaces	2× GE Port/POE , 1x 2.5G SFP
Dimension	310*319*290mm（Antenna not included）
WLAN Features	Wireless Mode: Access Point, Client DPD: Digital predistortion (DPD) to solve the distortion in the non-linear region of high-power products ACC: Advanced Cellular Coexistence (ACC) minimizes the impact of interference from cellular networks MRC: Maximum ratio combining (MRC) improves receiver performance CDD/CSD: Cyclic delay/cyclic shift diversity (CDD/CSD) for improved downlink RF performance STBC: Space Time Block Coding (STBC) for improved range and improved reception LDPC: Low Density Parity Check (LDPC) for high-efficiency error correction and improved throughput TXBF: Transmission Beamforming (TxBF) for improving signal reliability and range
Software	Work Mode: AP access point | DHCP mesh Mesh Mode: WiFi Hotspot | MESH return trip Manage Mode: WEB manage | WAG Wireless Controller Centralized Management The safe wireless: WPA, WPA2, WPA3, Pre-RSNA Mixed user access Updated System: WEB Local upgrade, centralized management online upgrade
Security	WPA2, WPA3 Pre-RSNA Mixed user access
Max Power Consumption	25.5W
Surge suppression	6KV
Ingress Protection	IP67
Wind strength	112 mph (180 km/h)
Input Voltage	802.3at or Passive PoE 44-57 V
Operating Temperature	-40 - +70 C
LED	Power, ethernet, signal strength
Weight	4.7KG
Button	Reset Button



What's in the box ?
Horizon AP600E Router
Quick Start Guide
Gigabit PoE Adapter
Ethernet Cable
Cable Gland
Pole Mounting Kit
Warranty card
1 SFP Optical Module (Optional)



10.2GHz High Speed
Support 160MHz banTdwidth, wireless rate up to 10.2GHz

Built-in RF
Optimization Engine

WiFi 6E
ACCESS POINT

Strong Signal
and wide coverage
Up to 400 meters

High-level CPU
and memory configuration

FOR MORE INFORMATION
PLEASE CONTACT HORIZONPOWERED.COM

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www.horizonpowered.com