



Critical Infrastructure WiFi Solution — OW-500 IP68 WiFi6 Tri-Band Outdoor Equipment

CERIO OW-500 Series is a eXtreme High Power WiFi6 Outdoor PoE Bridge/AP using the new generation of WiFi6 (802.11ax) **Quad-core 1.8Ghz** high-computing processing chip with the latest MU-MIMO and OFDMA technology and provides higher efficiency and transmission speed. It's a **WiFi6 11ax 2.4/5/5GHz Tri-Radio** wireless AP and supports a maximum transmission rate of up to 1200/2400Mbps on the 5GHz-1/5GHz-2 frequency bands and a maximum transmission rate of up to 574Mbps on the 2.4GHz frequency band. This is an **AX4200 model** that can simultaneously provide wireless signals in the 2.4GHz/5GHz-1/5GHz-2 frequency bands.

Durable Outdoor Wireless Equipment

**AX4200 Tri-Band
Performance Engineered
for High-Density Outdoor
Environments**

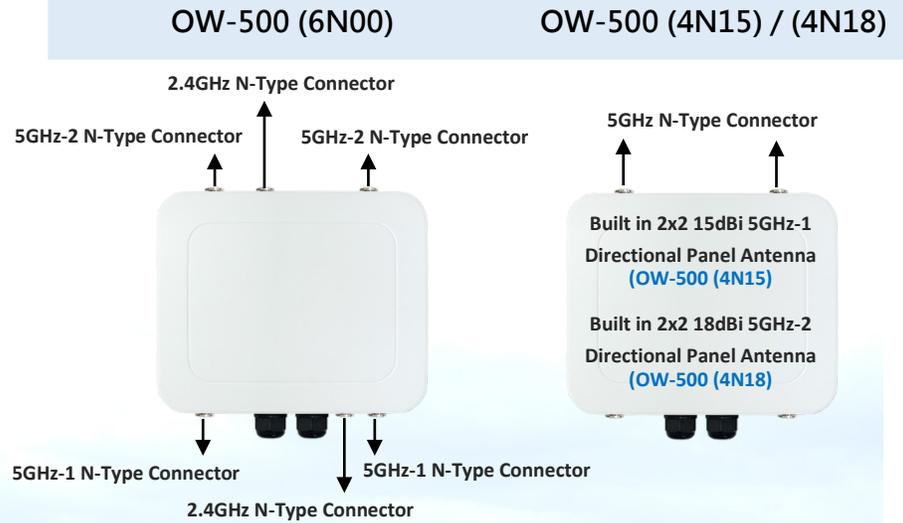
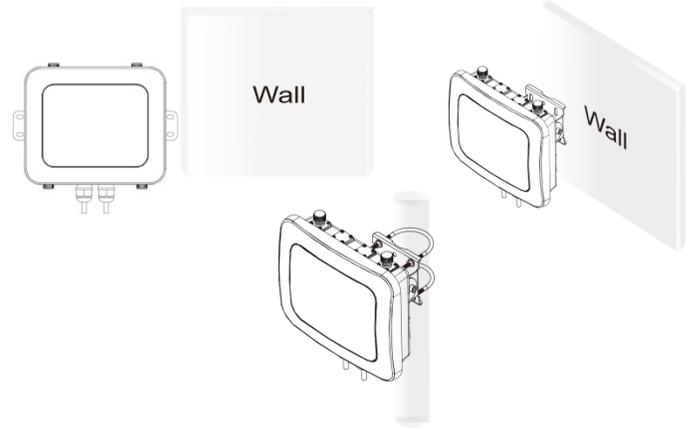
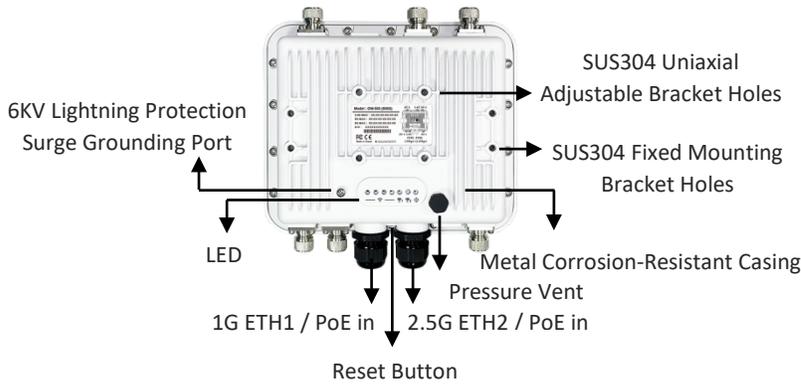
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- ✓ Supports 2.4/5/5GHz Tri-Radio and the maximum transmission rates are 574/1200/2400Mbps respectively while operating **up to 4174Mbps**.
- ✓ **Aluminum casing design** help to achieve optimal heat dissipation in hot outdoor environments, ensuring the device maintains the best transmission performance at all times.
- ✓ **Supports the latest 11ax Low-Density Parity-Check (LDPC)** function, which can efficiently perform error correction and supports Space-Time Block Coding (STBC), Transmit Beamforming (TxBF), which can enhance signal coverage and improve wireless transmission performance.
- ✓ Supports **one 2.5G ETH port** and one 1G ETH port, and both support PoE PD function. It can select the ETH speed as the POE power input according to the application of the environment.
- ✓ Supports **IP68 weather-proof** durable design. Its high-temperature resistance and corrosion-proof casing can withstand harsh environments.
- ✓ **Beaufort scale 17 wind load test certificated**- built for stability in the harshest environments.
- ✓ CenOS 5.0 Control Access Point Mode supports centralized management of **up to 64 APs**.
- ✓ Supports **6KV lightning protection** and hardware reset button to factory default.
- ✓ **Pressure vent** (prevents internal condensation).
- ✓ Supports Adjustable **Wall and Pole Mounting** Installation and made in Taiwan.



Hardware Overview



<p>Outdoor Surveillance & Security Applications : Enables wireless transmission for remote and hard-to-reach locations, such as telecom base stations, solar farms, wind turbine sites.</p>	<p>Public Infrastructure / Municipal Applications : Suitable for parking facilities, bus shelters, and smart street lighting, supporting smart city IoT deployments, AI video analytics, and environmental sensing applications.</p>	<p>Hotels / Campgrounds / Resorts Provides outdoor connectivity for villas, swimming pools, campgrounds, and restaurants, guest Wi-Fi access, surveillance cameras, secure Wi-Fi systems.</p>
<p>Farms / Fishing Ports / Ranches / Agri-Tech Applications : Supports agricultural IoT sensors, aquaculture surveillance, monitoring, and AI-driven smart farming and livestock applications.</p>	<p>Factories / Warehousing & Logistics Centers : Supports surveillance and management applications for indoor and outdoor container yards, logistics lanes, and parking areas.</p>	<p>Campuses / Educational Environments Suitable for universities and campus areas, activity centers, plazas, and dormitories, supporting campus security management, mobile learning, and smart campus applications.</p>



For more detailed product information, please visit our official [CERIO website](http://www.cerio.com.tw), [Facebook](#), or contact our international sales team at issales@cerio.com.tw.

More detailed information :
• [Outdoor AP/Bridge](#)

