



## StreamPro 1200 802.11ax 3.6Gbps Indoor WiFi AP

Dual Band | 4x4 MIMO | Efficient Interference Mitigation

### OVERVIEW

EION StreamPro 1200 is an 802.11ax 4x4 MIMO dual-band 3.6Gbps data rate Outdoor Wi-Fi Access Point. It provides ultra-high-speed Wi-Fi supporting both downlink and uplink MU-MIMO, Seamless Roaming and OFDMA. StreamPro 1200 is designed for bandwidth hungry streaming and critical business application contingent dense deployments.

The StreamPro 1200 is the best solution for dense deployments as it delivers 4x higher throughput, capacity and increased coverage capabilities over conventional Wi-Fi Access Points due to several factors working in concert. These factors are the 4x4 MIMO, 1024 QAM capability, DFS support advantage, latency down by 75%, OFDMA, increased output power and receiver gain capability. The DL/UL MU-MIMO increases the capacity of the number of concurrent end-users. The StreamPro 1200 supports BSS color bit and dynamic Clear channel assessment of signal detection, offering powerful interference mitigation.

EION StreamPro 1200 can be configured as a standalone access point, or as part of a group of APs managed by EION's E-Link Gateway Controller 1000. StreamPro 1200 is equipped with 2.5 GHz WAN and LAN ports and supports up to eight different SSIDs per AP (4 in 2.4 Ghz and 4 in 5 GHz).

### PRODUCT FEATURES

- 802.11ax 4x4 MU-MIMO Outdoor Wi-Fi AP
- Dual-band operation in 2.4 GHz & 5 GHz  
2.4 to 2.484GHz, 5.150 to 5.850GHz
- 3657 Mbps Data Rate:
  - 2.4 GHz: up to 1182 Mbps
  - 5GHz: up to 2475 Mbps
- Maximum Transmit Power:
  - 2.4 GHz: up to 22dBm
  - 5GHz: up to 22 dBm
- Antenna: Integrated. 4 x Dual Band Omni; IPEX connector
- Antenna Gain: 4dBi
- OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM.
- 160 MHz Channel Bandwidth availability
- Interfaces:
  - 1x2.5 Gigabit Ethernet WAN RJ45 Port
  - 1x2.5 Gigabit Ethernet LAN RJ45 Port
  - 1xReset Button
  - 1xDC Port
- Seamless Roaming
- Target Wake-up Time (TWT) Support
- High Spectral Efficiency and Robust RF Network

### ORDERING INFORMATION

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<b>9160-00-22-50-12</b>	StreamPro 1200 802.11ax Dual Band 3.6 Gbps Indoor Wireless Access Point
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## RADIO SPECIFICATIONS

<b>Standard</b>	802.11ax/ac/b/g/n 2.4 GHz WiFi Standard: 802.11b/g/n/ax 5 GHz WiFi Standard: 802.11 a/n/ac/ax
<b>Frequency Range</b>	2.4GHz - 2.484GHz & 5.150 – 5.850GHz (Dual-Band in a single enclosure)
<b>Channel Size</b>	20 MHz; 40 MHz (802.11n) and 40 MHz 802.11ax for 2.4 GHz 20 MHz, 40 MHz (802.11n/ac/ax), 80 MHz and 160 MHz (802.11ac/ax) auto switching
<b>Antenna</b>	Integrated. 4 x Dual Band Omni. Antenna Gain: 4 dBi. Vertical polarization. 50 Ohms nominal Impedance.
<b>Modulation</b>	OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM
<b>Signaling Rate</b>	3657 Mbps Data Rate (2.4 GHz: up to 1182 Mbps ; 5 GHz: up to 2475 Mbps)
<b>Output Power</b>	2.4 GHz: upto 22dBm; 5GHz: upto 22 dBm
<b>End users</b>	300+
<b>External Reset Button</b>	Yes

## NETWORK SPECIFICATIONS

<b>Interface</b>	1x2.5 Gigabit Ethernet WAN RJ45 Port 1x2.5 Gigabit Ethernet LAN RJ45 Port 1xReset Button 1xDC Port
<b>Operation Mode</b>	Gateway, AP
<b>Wireless Security</b>	WPA, WPA2-PSK,TKIP-AES, WPA2-EAP, 802.1x
<b>MAC Filtering</b>	Yes
<b>Concurrent users</b>	Up to 64 users per band
<b>VLAN Settings</b>	Yes
<b>SSID</b>	Multiple SSID Support: 2.4 GHz – 4; 5 GHz – 4. Supports SSID hidden.
<b>Protocols</b>	IPv4
<b>Seamless Roaming</b>	Yes. 802.11kvr standard
<b>Enhanced Control</b>	<ul style="list-style-type: none"> <li>• WiFi time ON/OFF Support to save energy</li> <li>• Client isolation support to improve wireless stability</li> <li>• Support RF Power adjustment based on the environment</li> </ul>
<b>Device Management</b>	<ul style="list-style-type: none"> <li>• HTML Web-GUI, E-Link Gateway Controller management, and remote management</li> <li>• Firmware Upgrade</li> <li>• Supports Reset to Factory Default</li> <li>• Back-up configuration</li> <li>• Restore configuration</li> <li>• Supports Reboot and Scheduled reboot</li> <li>• System Log</li> </ul>

## PHYSICAL, ELECTRICAL & ENVIRONMENTAL

<b>Power Consumption</b>	Typ. < 22 Watts
<b>PoE</b>	48V IEEE 802.3at+
<b>DC</b>	12V – 2A
<b>Size</b>	198mm x 198mm x 41mm
<b>Weight</b>	750 g
<b>Operating Temperature</b>	-20°C to 45°
<b>Humidity</b>	5% to 95% (non-condensing)