

# AP 5115

## Cost-effective access point for large open areas

The Ericsson Wi-Fi AP 5115 is equipped with dual omnidirectional antennas optimized for wide-area access coverage in both 2.4GHz and 5GHz bands. This variant is optimized for large open public areas, including:

- Town squares
- Shopping malls
- Large conference facilities
- Warehouses and other industrial locations

The AP 5115 is part of the AP 5100 Series of ruggedized outdoor access points that provide carrier-grade Wi-Fi coverage in a variety of deployment scenarios.

Together with other product series within the Ericsson Wi-Fi portfolio, the AP 5100 Series provides a cost-effective means of deploying managed hot zones, 3G and 4G traffic offload without sacrificing the performance and reliability that network operators demand.

The AP 5115 supports both 2.4 GHz and 5GHz operation simultaneously with 2x2 MIMO and 2 spatial streams per band. Each stream supports a peak rate of 150 Mbps, thereby providing 300 Mbps per radio and 600 Mbps per access point.

The low-profile, paintable radome enables venue operators to discreetly place these access points throughout public locations.



Combining data backhaul and power using Power over Ethernet technology can simplify deployment and reduce installation time and cost.

The AP 5115 supports both direct AC power, 802.11af PoE or 803.at PoE+. Direct AC power enables deployment flexibility when PoE is not feasible.



### Security Features

- WPA and WPA2 Enterprise and Personal compliant
- 802.1x (RADIUS) and EAP authentication - EAP-SIM, EAP-AKA, EAP-TLS, TAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC
- WEP 64 and 128 bit encryption including TKIP / MIC encryption
- AES encryption per IEEE 802.11i
- MAC address Access Control Lists (ACL's)
- Wireless client blacklist
- Inter-client communication control
- Denial of Service (DoS) attack prevention (including Deauthentication DoS)
- Honeypot detection
- MAC spoofing protection
- RADIUS Authentication and Accounting is supported

### Performance Features

- Standards-Based Beamforming
- MIMO
- 40 MHz Bandwidth
- Space-Time Block Coding (STBC)
- Improved Maximal Ratio Combining (MRC)
- Maximum Likelihood Demodulation (MLD)
- Low-Density Parity Check (LDPC)
- Aggregated NAC PDU (A-MPDU)
- Wireless Multimedia (WMM and WMM-PS)

### Management

Device-level fault, configuration and performance management can be performed via the CLI and GUI interfaces, while NMS adds network-level fault correlation and performance management support. Firmware upgrade with support for automatic rollback is supported via the management interfaces. Local and remote management interfaces can be accessed via open (Telnet / HTTP) or optionally using secure (SSH / HTTPS) protocols. The products also support SNMP v1/v2c/v3 and TR-069 management interfaces for use with any compliant management system. Standard MIBs supported include MIB-II, SNMPv2, 802.11, Ethernet-like, Interface Group. User accounts with multiple privilege levels can be supported.

## TECHNICAL SPECIFICATIONS

### AP 5115

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#### ELECTRICAL SPECIFICATIONS

##### Power supply:

IEEE 802.3af/at (nominal 48 Vdc)  
100 – 240 Vac  $\pm$  10%, 50 – 60 Hz  $\pm$  10%

##### Current consumption:

0.35A (typical)

##### Transmission:

IEEE 802.1D Bridging, IEEE 802.1Q VLANs, IEEE 802.1w RSTP and IEEE 802.1p QoS  
L2TP, L2VPN, GRE and PMIPv4 Tunneling

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#### MECHANICAL SPECIFICATIONS

##### Mechanical Dimensions: (WxHxD)

19.5 cm x 34 cm x 11.4 cm

Weight: 2.5kg

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#### ENVIRONMENTAL SPECIFICATIONS

##### Temperature range:

Operating: -33° to +55 °C

Storage: -40° to +80 °C

Operating Humidity: 5% - 95% non-condensing

Altitude: IEC 68-2-40 test Z/AM, IEC 68-2-41 test Z/AMD

Shock and Vibration: IEC 68-2-29, ASTM D3332

Drop: IEC 68-2-32, ISO 4180/2

Outdoor Use: IP66 / NEMA 4X