INDOOR 802.11AC ACCESS POINT
ERICSSON AP 6321

The AP 6321 is Ericsson's modern and high performance indoor access point, using the latest 802.11ac technology for Gigabit WLAN data rates. The AP 6321 helps businesses solve the need to handle more users and more devices with more demanding content.

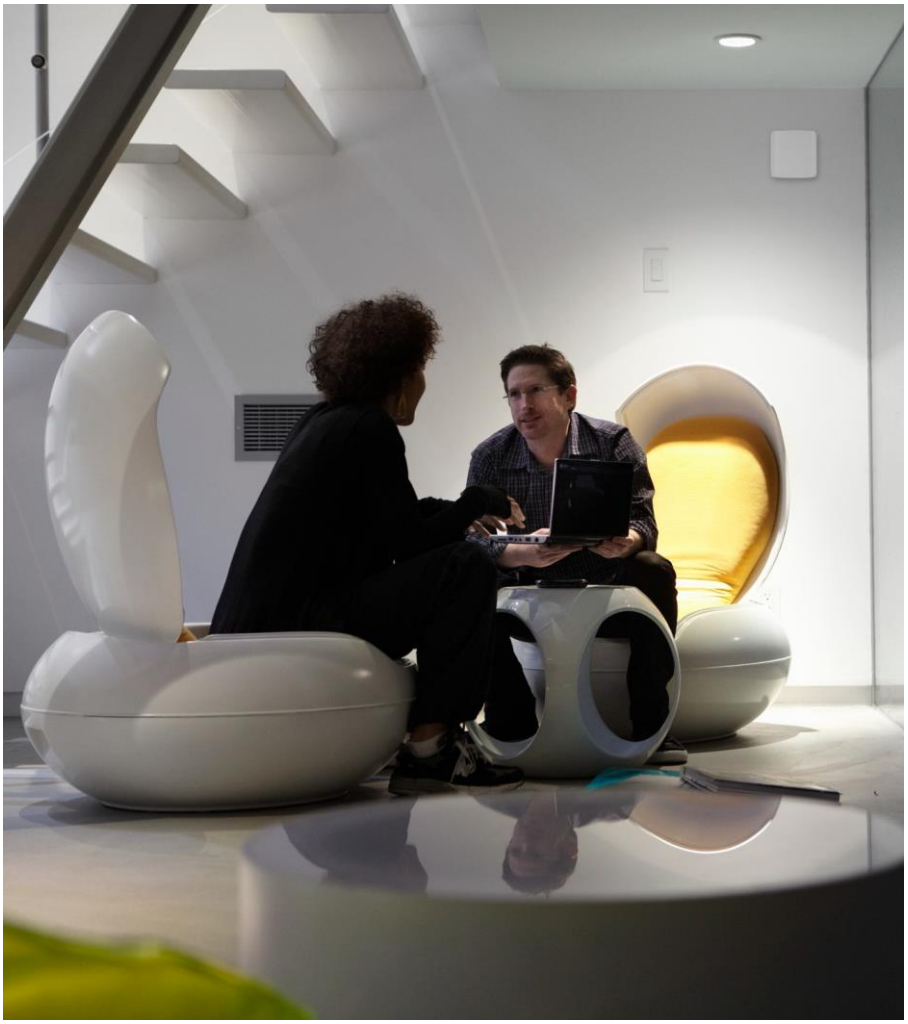
802.11ac represents the next generation of WLAN standards, enabling high peak download rates of over 1 Gigabit per second. The AP 6321 is optimized to provide a leading-edge premium level of service for deployment scenarios such as:

- VIP sections of public venues, stadiums and arenas
- Luxury hotels and suites
- University and college lecture halls
- Conference centers
- Businesses of all types and sizes (e.g. realtors, lawyers, engineers, physicians)

Delivering unparalleled performance, speed, and management capabilities, the AP 6321 enables enterprises to deliver the coverage and capacity to support their business' increasing reliance on wireless and mobility.

The concurrent dual-radio design of the AP 6321 supports both 2.4 GHz and 5 GHz operation simultaneously.

The 5 GHz radio supports the high-performance WLAN standard, 802.11ac, with a peak physical data rate of 1.3 Gbps.



The AP 6321 delivers the highest performance and most reliable enterprise network to support workers, connected devices, and machines all around the office or campus. Using the Ericsson Very High Capacity and Interference (VHCI) feature set, the AP 6321 excels in dense and high interference environments.

Each radio in the AP 6321 supports up to 8 Service Set Identifiers (SSIDs) for a total of 16 SSIDs for each AP. The AP 6321 also enables up to 8 fully segregated virtual APs per radio, allowing enterprises to fully personalize their networks with the functionality to provide separate authentication and policy rules per SSID.

Security Features

- WPA and WPA2 Enterprise and Personal compliant
- 802.1x (RADIUS) and EAP authentication including EAP-SIM, EAP-AKA, EAP, TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC
- WEP 64 and 128 bit encryption
- 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)
- Rogue AP detection
- Honeypot detection
- MAC spoofing protection
- RADIUS Authentication and Accounting is supported per IETF RFC 3865 and RFC 2866

Performance Features

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

Management

Device-level fault, configuration and performance management can be performed via the CLI and GUI interfaces, while Wi-Fi Manager 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 6321

ELECTRICAL SPECIFICATIONS

Power requirements:
+48 Vdc with optional AC adapter
802.3at PoE+ (all features enabled)
802.3af PoE (restricted feature operation)

Backhaul Requirements:
All products support integrated wireless point-to-point, point-to-multipoint or mesh backhaul. Gigabit Ethernet WAN wired backhaul also supported.

Transmission:
1 10/100/1000Base-TX (Cat.5 RJ-45) WAN port
4 10/100/1000Base-TX (Cat.5 RJ-45) LAN port
1 USB 2.0 port for future expansion
IEEE 802.1D Bridging, IEEE 802.1Q VLANs, IEEE 802.1w RSTP and IEEE 802.1p QoS
Wide range of L2 and L3 VPN protocols to support mobility
Support for GTP and PMIP for mobile core integration

MECHANICAL SPECIFICATIONS

Mechanical Dimensions: (L x W x H): 17 x 17 x 4 cm

Weight: 360 g

ENVIRONMENTAL SPECIFICATIONS

Temperature range:
Operating: 0° to +50 °C
Storage: -40° to +80 °C

Mounting requirements:
Wall, ceiling, counter
Optional T-bar ceiling bracket