

Wi-Fi 6 ACCESS POINT

i3560-series

Residential Wi-Fi Access Point

The i3560 Wi-Fi access point takes performance to the next level with best-in-class Wi-Fi 6, the premium configuration of 5x5 + 4x4 guarantees maximum range and performance in all cases. To interconnect with the rest of the network, the i3560 features 2 gigabit LAN ports. Special attention has been put into creating a beautiful, minimalistic yet flexible design, which fully matches the modern home.

- Best possible Wi-Fi 6 configuration
- Non-blocking offloaded architecture
- Modern Scandinavian design
- Fully managed



Flexible installation

The i3560 is designed for both wall-mount and free standing. In any configuration it allows for practical cable management, easy access to user-configuration buttons, and intuitive LEDs for easy troubleshooting.

Easy cable management

With all interfaces hidden practically on the back of the i3560, all cables can be managed in an easy way regardless of the installation method. Ports are coloured for intuitive installation for first-time users.

i3560 Residential Wi-Fi 6 Access Point

FEATURES

- Best-in-class Wi-Fi solution
- Award-winning industrial design
- Low power consumption
- Optional operator branding
- Customized firmware

NETWORK COMMUNICATION LAN INTERFACE

- 2x RJ45 connectors 10/100/1000 Base T(x)
- Auto-negotiation for speed and duplex
- Auto MDI/MDX
- Jumbo packets

LAYER 2

- 64 byte forwarding at line rate
- Jumbo 9k packets
- IGMP v1/v2/v3 snooping
- 802.1p marking
- VLAN support
- Transparent IPv6 forwarding
- 2k address entries

Wi-Fi INTERFACES

- Authentication methods - Open - WPA2 - WPA3
- Up to 8 SSIDs
- MAC filtering
- Beamforming
- 802.11kvr band steering and client roaming
- Neighbour scanning
- Advanced channel selection
- Software Tx power control
- Extensive monitoring
- Wireless Client Isolation

802.11ax Wi-Fi

- 802.11AX 5x5:5 5 GHz + 4x4:4 2.4GHz
- BW support: 20 MHz, 40 MHz, 80 MHz
- Up to 8.6Gbps PHY/Data Link Speed
- Modulation support: MCS 0-11
- MU-MIMO and OFDMA
- Up to 1024QAM modulation
- Support for unequal MCS
- Support for LDPC, STBC
- Support for Dual Channel, Dual Concurrent Mode
- Support Target Wake Time
- HW Support for Singular Value Decomposition (SVD) for explicit Transmit Beamforming

802.11ac Wi-Fi

- 802.11AC Wave-2 5x5:5
- MCS 0-9 and MCS 10-11 support
- BW support: 20 MHz, 40 MHz, 80 MHz, 160 MHz
- MU-MIMO
- TurboMAC for optimized legacy performance
- Support for LDPC, STBC

802.11bg Wi-Fi

- 802.11B/G/N 4x4:4
- MIMO
- Modulation support: MCS 0-76

QoS

- 8 queues
- Advanced WMM designed for long-range and resilient video and voice delivery
- Marking and Queuing w/ 802.1p, ToS, DiffServ classification

MANAGEMENT & MONITORING

- Shared or separate IP interface (VLAN or virtual) for management
- L1-L3 filters for all local services
- End-user oriented web interface (configurable) - Wi-Fi - LAN network
- TR-069 supporting - TR-181 (Network)
- SNMP v1/v2 (IF-MIB, ICOTERA private MIB)
- Extensive debug possibilities
- All settings are stored locally in flash
- Zero-touch configuration with TR-069 or via the local gateway
- EasyMesh 2.0 ready
- Automatic firmware and configuration update (polling)
- Dual bank firmware w/fail-safe upgrading
- Monitoring via Telemetry Streaming (ICONS)

OPERATIONAL SPECIFICATIONS

- DC12V input $\pm 10\%$
- Operating temperature: 0 - 45°C
- Storage temperature: -20 - 85°C
- Humidity: 5% - 95% (non-condensing)

PHYSICAL SPECIFICATIONS CASING

- Size: 150 x 150 x 30 mm (W x H x D)
- Front RGB LEDs configurable by operator and/or end-user: Power/WAN status (link/traffic/provisioning) - Wi-Fi - LAN status LEDs (link/traffic, duplex) per interface
- LED auto off
- WPS button