# Wi-Fi Access Point

i3550-series
Residential Access Point

The Icotera i3550 is a Wi-Fi Access Point, repeater, Ethernet and wireless bridge that delivers 1733+600 Mbps Wi-Fi throughput. It includes the latest 4x4:4 802.11ac Wave 2 & 2x2:2 bgn Wi-Fi standard.

- State of the art 4x4 Wave-2 MU-MIMO Wi-Fi with multiple Wi-Fi access points, client roaming, meshing, beamforming, and band steering
- Ease of use & installation
- Vendor independent
- Award-winning industrial design
- Lowest Total Cost of Ownership
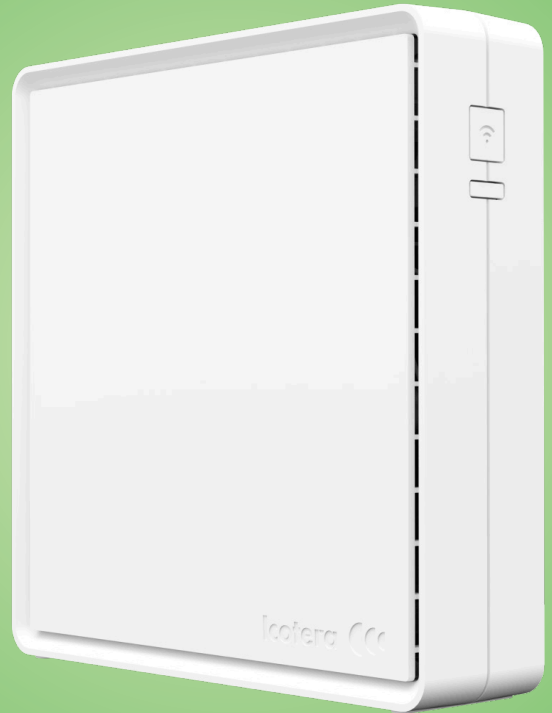
Remote management
CWMP (TR-069, TR-181) support. Also supports local Web UI, configuration by the local gateway.

2 Gigabit LAN ports
With full IGMP and multicast support to allow for easy in-home installation and network expansion.

Easy and simple installation
Designed for installations by end-users, it's plug n' play!

Expand the wireless home
Without complicated configuration, the i3550 simply configures itself and other Icotera network products to deliver the best possible networking experience whether it be cabled or wireless using techniques such as wireless roaming, meshing and secure authentication.

Guest access
Both on cabled and wireless media, your private network is protected against the untrusted devices you allow into your home and network.

Backward compatible
Compatible with 802.11a/b/g/n/ac wireless standards.

MSSID (Multi SSID)
Multiple SSIDs can be created to allow different users access to the Internet network, even creating public Hotspots are done simply with a click of a button.

Designed for the operator
But with the customer in mind. The operator will always have the possibility to support their clients with full remote access for monitoring and debugging.

Advanced wireless security
WPA2-PSK, WPA2-802.1x.

Power efficient
Product goes to Network standby mode immediately if there is no LAN or Wireless activity.

Great esthetic design
Both in form and shape the i3500 has great design attributes, but it also does an outstanding job making itself hidden by only using the LEDs if there is actually something to tell – and that in the most intuitive way possible.

Wireless high-data transmission
Support for secured & prioritised high data connections between i3550 and e.g. Internet enabled TV's, STB or other Wi-Fi access points. This functionality enhances the distribution of Wi-Fi throughout the home and the Quality of Experience for the end user.

Icotera

i3550 Residential 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
- 2 RJ45 connectors 10/100/1000 Base T(X)
- Auto-negotiation for speed and duplex
- Auto MDI/MDX
- Jumbo packets
- 802.1x

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

Wi-Fi INTERFACES

802.11ac Wi-Fi
- 802.11AC Wave-2 4x4:4 MU-MIMO
- 5 GHz band w/QAM256 and 80 MHz
- Authentication methods - Open - 802.1x - WPA2
- Up to 4 SSIDs
- MAC filtering
- Advanced channel selection
- Background DFS scan
- Software Tx power control
- Extensive monitoring
- Neighbour scanning
- Beamforming
- LDPC + STBC
- Wireless Client Isolation
- Airtime management
- Client roaming
- Band-steering
- Meshing
- Wi-Fi Multimedia

802.11bgn Wi-Fi
- 802.11B/G/N 2x2:2 MIMO
- 2.4 GHz band w/QAM64 and 40 MHz
- Authentication methods - Open - 802.1x - WEP64 - WEP128 - WPA - WPA2
- Up to 4 SSIDs
- MAC filtering
- Advanced channel selection
- Software Tx power control
- Extensive monitoring
- Neighbour scanning
- Wireless Client Isolation
- Band-steering
- Wi-Fi Multimedia

QoS
- 8 queues
- Layer 2 and 3 QoS features - Packet classification marking - Queuing - Scheduling - Rate-limiting
- 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
- Packet dumping
- All settings are stored locally in flash
- Zero-touch configuration with DHCP/TFTP or TR-069 or via the local gateway
- Automatic firmware and configuration update (polling)
- Dual bank firmware w/ fail-safe upgrading

OPERATIONAL SPECIFICATIONS
- DC12V input ±10%
- Operating temperature: 0 − 45°C
- Storage temperature: -20 − 85°C
- Humidity: 5% − 95% (non-condensing)

PHYSICAL SPECIFICATIONS
CASING
- 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

---

i3550 Residential Access Point
Configuration possibilities

Gateway Interface Configurations:

Model	LAN	Wi-Fi
i3550-00	2x	11.BGN 2x2:2 + 11.ANAC 4x4:4