

WI-FI 5 ACCESS POINT

i3550-series

Residential Access Point

The Icotera i3550 is a Wi-Fi access point, repeater, Ethernet and wireless bridge. It delivers 1733 (4x4) + 300 (2x2) Mbps Wi-Fi throughput and 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, beamforming, and band steering
- Ease of use and installation
- Vendor independent
- Award-winning industrial design
- Lowest Total Cost of Ownership



Remote management

CWMP (TR-069, TR-181) support. Also supports a local web interface, 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 and 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, and secure authentication.

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 can be 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.

Great aesthetic 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 LED indicators when there is actually something to tell - and that in the most intuitive way possible.

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FEATURES

- Best-in-class Wi-Fi 5 solution
- Award-winning industrial design
- Low power consumption
- Optional operator branding
- Wi-Fi link rate up to 2.1 Gbps

NETWORK COMMUNICATION

LAN INTERFACE

- 2 RJ45 connectors 10/100/1000 Base-T(x)
- Auto-negotiation for speed and duplex
- 64 byte forwarding at line rate

LAYER 2

- 8 bridge instances
- IGMP v1/v2 snooping
- Wi-Fi support
- Transparent IPv6 forwarding
- 2k address entries
- 802.1x

WI-FI INTERFACES

- Authentication methods:
 - Open
 - WPA2
- Up to 8 SSIDs
- Advanced channel selection
- Full ETSI channel plan including dynamic frequency selection (DFS)
- Software Tx power control
- Neighbour scanning
- Wireless client Isolation
- Band steering
- Client roaming

Wi-Fi 5

- 4x4 Wave 2 MU-MIMO
- 5 GHz band with 256-QAM and 80 MHz
- Beamforming
- LDPC + STBC

Wi-Fi 4

- 802.11b/g/n 2x2:2 MIMO
- 2.4 GHz band with 64-QAM and 40 MHz

MANAGEMENT & MONITORING

- Monitoring via telemetry streaming (ICONS) when the access point is connected to the Icotera i4850, i5850, or i6850 gateway
- L1-L3 filters for all local services
- Web interface for end users:
 - Wi-Fi
 - LAN network
- All settings are stored locally in flash memory
- Zero-touch configuration with DHCP/TFTP, via TR-069 and TR-181 or via the local gateway
- Automatic firmware and configuration update (polling)
- Dual bank flash memory with fail-safe firmware upgrading

OPERATIONAL SPECIFICATIONS

- DC 12 V input
- Power consumption maximum: 13 W
- Power consumption in idle state: 5.5 W
- Operating temperature: 0°C – 45°C
- Storage temperature: -20°C – 85°C
- Humidity: 5% – 95% (non-condensing)

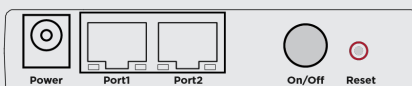
PHYSICAL SPECIFICATIONS CASING

- Weight: 318 g
- Size: 152 x 152 x 42 mm (W x H x D)
- Front LED indicator (power or WAN status such as link or provisioning)
- Status LED indicators for link, traffic, and duplex for each LAN port
- WPS button

INCLUDED IN THE BOX

- Icotera i3550 access point
- 12 V power supply unit

i3550 residential access point configuration possibilities



Interface configurations

Model	LAN	Wi-Fi
i3550-00	2x	802.11a/n/ac 4x4:4 + 802.11b/g/n 2x2:2

For more information and feature requests, contact our Sales department at sales@icotera.com.