

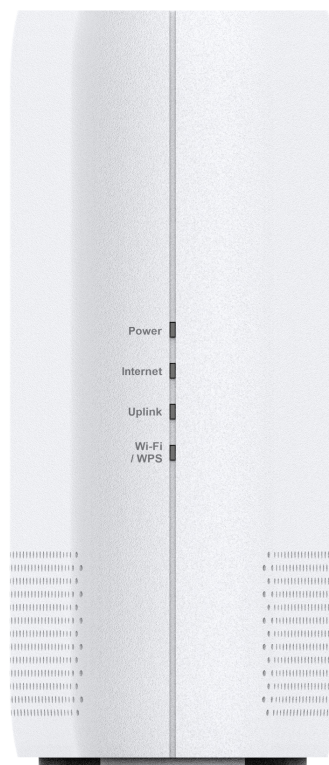
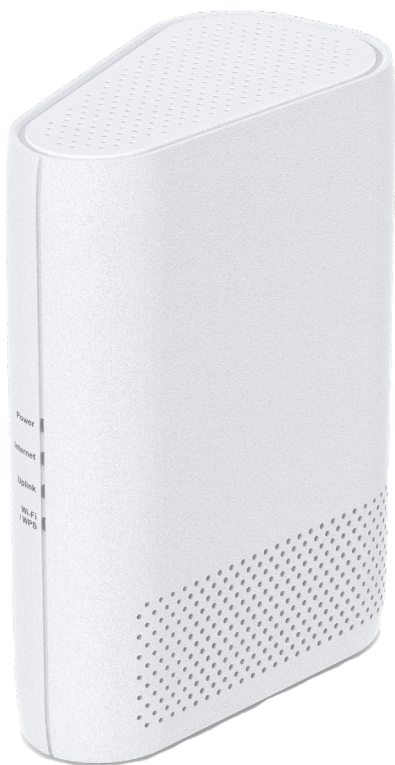
# Wi-Fi 6 ETHERNET ROUTER

## i4860

Residential Wi-Fi 6 Router

The Icotera i4860 residential Ethernet router supports the Wi-Fi 6 standard and transmits data at gigabit speed to a device connected to its LAN port. With low energy consumption and sufficient Wi-Fi coverage, the i4860 is all your users need for a basic network setup on their premises.

- Ease of installation
- Up to 3 Gbps combined Wi-Fi link rate
- Remarkably low energy consumption



### Longevity and secure connectivity

Testing all devices to meet the highest quality standards, Icotera ensures that your customers will use the i4860 for years. This router provides secure Internet access through up to four SSIDs at a combined speed of up to 3 Gbps.

### Simple installation and management

The Icotera i4860 router is simple to install and get started with. Users can connect devices to the local network in a couple of clicks with the WPS button. Intuitive LED indicators help monitor the router status at a glance.

# i4860 Residential Wi-Fi 6 Router

## FEATURES

- 2 + 2 Wi-Fi 6 configuration with 2 spatial streams for each band
- Non-blocking 1 Gbps architecture
- Wi-Fi link rate up to 3 Gbps (AX3000)
- Low power consumption
- Optional operator branding
- Optional customised firmware

## NETWORK COMMUNICATION WAN INTERFACE

- 1 Gbps WAN (RJ45)
- Full-duplex transmission
- Auto-negotiation for speed and duplex

## LAN INTERFACE

- 1 Gbps LAN
- Auto-negotiation for speed and duplex

## Wi-Fi INTERFACES

- WMM for resilient video and voice delivery
- Authentication methods:
  - Open
  - WPA2
  - WPA3-Personal
  - WPA3-Personal Transition Mode
- Up to 4 SSIDs
- Automatic channel selection
- Repeater mode
- Backwards compatible with previous Wi-Fi standards such as Wi-Fi 5 and Wi-Fi 4

## Wi-Fi 6

- 802.11ax 2x2 2.4 GHz + 2x2 5 GHz
- 2 spatial streams for 5 GHz
- Bandwidth support: 20 MHz, 40 MHz, 80 MHz, 160 MHz
- Modulation support: MCS 0-11
- Downlink MU-MIMO and OFDMA
- Up to 1024-QAM modulation
- Support for unequal MCS
- Support for target wake time (TWT)

## LAYER 2

- IEEE 802.1d transparent bridge
- IGMP v1/v2 snooping
- VLAN support
- Transparent IPv6 forwarding

## LAYER 3

- Virtual interfaces
- Stateful IPv4 and IPv6 firewall
- Supports routing for IPv4 and IPv6
- IPv4:
  - SNAT, DNAT, DMZ
  - DNS proxy
  - DHCP client and server
- IPv6:
  - Prefix delegation
- PPPoE (termination)

## MANAGEMENT AND MONITORING

- Shared or separate IP interface for management
- Web interface for end users
- L1 filters for all local services
- Zero-touch provisioning with DHCP and TR-069
- TR-069 with TLS:
  - TR-181 (Network)
- All settings are stored locally in flash memory
- Dual bank flash memory with fail-safe firmware upgrading
- TR-143 for performance data and throughput statistics

## OPERATIONAL SPECIFICATIONS

- DC 12 V input
- Power consumption in idle state: 3.6 W
- Power consumption maximum: 11 W
- Operating temperature: 0°C – 40°C
- Storage temperature: -30°C – 70°C
- Humidity: 5% – 95% (noncondensing)

## INCLUDED IN THE BOX

- Icotera i4860 router
- Ethernet cable
- 12 V 1 A power supply unit
- Additional label with Wi-Fi credentials

## PHYSICAL SPECIFICATIONS CASING

- Size: 105 x 145 x 60 mm (W x H x D)
- Weight: 184 g
- Front LED indicators
  - Power
  - Internet
  - Uplink
  - Wi-Fi
- Status LED indicators for each LAN port
- WPS button

### i4860 configuration options



#### Interface configurations

Model	Uplink	LAN	Wi-Fi	Antennas
i4860-00	1 Gbps WAN (RJ45)	1 Gbps LAN	Wi-Fi 6	2 + 2

For more information and feature requests, contact our Sales department at [sales@icotera.com](mailto:sales@icotera.com).