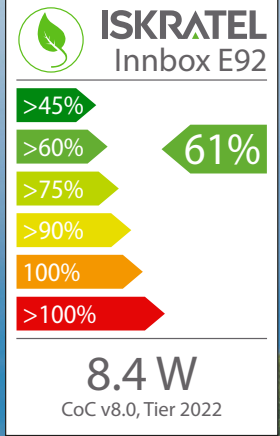


# inbOX

## WiFi 6



## INNBOX E92

High-end Ethernet/ETTH Home Gateway and EasyMesh™ Wi-Fi Controller

**ISKRATEL**  
S&T Group

**Innbox E92** home gateway delivers gigabit connectivity over an Ethernet uplink in various setups, from **single-box ETTH** to **dual-box FTTH**. This high-end device unlocks the true potential of gigabit connectivity by providing **multi-gigabit wireless** in even the biggest homes. This state-of-the-art home gateway guarantees uncompromised user experience with advanced triple-play services and multiple **ultra-high-definition TV** streams, delivered over wired or wireless home network.

Innbox E92 supports a smooth delivery of services such as internet and video – including multiple UHD TV streams – over **three gigabit Ethernet ports** or over **Wi-Fi 6 802.11ax** access point that operates at **2.4 GHz and 5 GHz** concurrently.

Furthermore, Innbox E92 acts as an **EasyMesh™-compliant controller** for a gigabit mesh Wi-Fi network

that ends the headaches caused by dead zones. Complemented with EasyMesh™ agent access points, the wireless mesh ensures **seamless roaming and smooth handover** without service interruptions, never compromising supreme user experience.

Adding to connectivity, Innbox E92 offers SIP-compatible VoIP services

over FXS ports. One USB host port is available for **value-added features**, such as a printer server, a file server, or an **LTE modem** for backup uplink connectivity.

The devices' embedded firewall, NAT and IP sharing deliver **secure internet access** to all connected users.

### KEY FEATURES AND BENEFITS

- Full-gigabit home-gateway with line-rate routing for advanced services and multiple UHD TV IP streams
- Multiple LAN interfaces: Gigabit Ethernet, Wi-Fi 6, Wi-Fi 5, concurrent 2.4 GHz/5 GHz, USB 2.0, FXS POTS
- EasyMesh™-compliant mesh Wi-Fi controller
- Smooth multi-streaming and gaming with MU-MIMO
- Internal or external antennas



Full gigabit throughput



Top-of-the-line wireless performance



Unparalleled reach and coverage

### WAN specifications

- Gigabit Ethernet 10/100/1000Base-TX (RJ-45)
  - Automatic MDI/MDIX crossover, Auto-negotiation and speed auto-sensing, half/full duplex support
- Compliance with IEEE 802.3
- Support for 802.1Q and 802.1p VLAN

### LAN interfaces

- Three ports Gigabit Ethernet 10/100/1000Base-TX (RJ-45)
  - Automatic MDI/MDIX crossover, Auto-negotiation and speed auto-sensing, half/full duplex support
  - Compliance with IEEE 802.3
- Two ports FXS (RJ-11) for POTS connection
- One port USB 2.0 with host connector

### Wireless LAN

- Wi-Fi access point 802.11b/g/n/ac/ax 2x2 and 2x2 MU-MIMO with internal or external antennas
- Simultaneous dual-band 2.4 GHz and 5 GHz
- Wi-Fi protected setup (WPS)
- WPA/WPA2/WPA3 in PSK mode or using EAP with RADIUS
- Access control list based on MAC address

### Mesh Wi-Fi

- Compliance with EasyMesh™
- Embedded EasyMesh™ controller, operating with agent access points via wireless or wired backhaul
- Plug-and-play operation with Iskratel's EasyMesh™-compliant agent access points
- 802.11k/v/r compliant roaming and band steering

### Bridging

- Ethernet bridging/switching per IEEE 802.1D/802.1Q
- Traffic management (priority queuing, traffic shaping)
- QoS with support for IEEE 802.1p and DSCP
- Per-port IEEE 802.1Q VLAN ID processing
- VLAN tagging/untagging
- IGMP v2/v3 snooping
- Automatic MAC learning and aging
- Unlimited MAC addresses for OMCI-configured flows
- Support for 4096 MAC addresses for RG traffic flows
- Broadcast storm control

### IP routing

- IP routing: RIP1, RIP2, static routing
- RFC2684 (RFC1483) routed
- PPPoE client, PPPoE pass-through
- DHCP client, server and relay (RFC2131)
- (D)DNS client and relay
- IP multicast IGMP proxy
- RTP proxy PPPoE
- NAT/NAPT with port forwarding

### USB applications

- File server (using USB disk, flash or HDD), DLNA
- Printer server
- 3G/LTE modem (optional)

### Security and QoS

- NAT (RFC3022) basic firewall with extensive ALG support
- Firewall with well-known applications setup
- URL filtering
- Time scheduler (parental control)
- DMZ/IP pass-through
- VPN pass-through
- ToS/DSCP-to-CoS mapping
- Bandwidth reservation
- Voice traffic prioritisation

### Configuration and network management

- OMCI
- UPnP/DLNA
- Simple port configuration
- Telnet for local or remote management
- Web for firmware upgrade and configuration
- Web-based management (multi-level GUI)
- TR-069 data-frame model, TR-098, TR-104, TR-106
- TR-143 testing and troubleshooting tools
- IPERF and TCP dump (optional)
- Buttons: WLAN, WPS, reset

### Voice support

- G.711 (64 kbps, A-law,  $\mu$ -law), G.729ab (8 kbps) (optional)
- Line echo cancellation G.168 with configurable tail
- Voice-activity detection, Comfort noise generation
- Adaptive jitter buffer and packet-loss compensation
- DTMF dialling, modem/fax tone detection and pass-through
- SIPv2 (RFC 3261), RTP (RFC3550)
- RTP profile for audio and video conferences (RFC 3551)
- RTP payload for DTMF events (RFC2833)
- Caller ID (Type-1 and 2)
- T.38 Fax

### Power

- External 115-230 V AC, 50-60 Hz, 12 V DC, 1.5 A
- Power consumption 8.4 W on-state, 5.4 W idle state, including adapter
- CoC v8.0 compliant, Tier 2022, 61% consumption

### Physical dimensions

- 226 mm x 140 mm x 48 mm

### Environment

- Operating: 0..40 °C, RH 20..90% non-condensing, compliant with ETSI 300 019-1-3, Class 3.1

### Certification

- CE, CB, RoHS compliant

Some features are hardware-dependent.

Some features might not be included in dedicated software releases.

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ISO 14001 E-498  
ISO/IEC 27001 T-046

