



INNBOX E84

Supreme ETTT Home Gateway
and EasyMesh™ Wi-Fi Controller

ISKRATEL



Full gigabit
throughput



Multi-gigabit
wireless performance



Unparalleled reach
and coverage



Innbox E84 home gateway unites a powerful home-networking engine and an EasyMesh™ compliant **mesh Wi-Fi** controller in a single device. It 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 E84 supports smooth delivery of services such as internet data and IP video – including UHD TV – over any type of home network, be it **wired, wireless, or mesh**.

Full gigabit throughput is available on **four Gigabit Ethernet ports**, while a **dual-band** Wi-Fi access point yields wireless data rates **up to 2,100 Mbps**. With 802.11ac Wave 2 **MU-MIMO** and power-amplified output, Innbox E84 serves numerous clients easily. **Smart**

QoS management allocates bandwidth intelligently for an outstanding experience with streaming, gaming, downloading, or videoconferencing.

Furthermore, Innbox E84 acts as an **EasyMesh™ compliant controller** for a gigabit mesh Wi-Fi network that will end the headaches caused by dead zones. Complemented by EasyMesh™ compliant agent access points, such as Iskratel's **Innbox M84**, the wireless mesh ensures **seamless roaming and**

smooth handover without service interruptions, allowing Wi-Fi clients to be connected to a strong signal at all times.

Innbox E84 can be used in **single-box** ETTT deployments, or as an access-technology agnostic home gateway in **dual-box** deployments. Regardless of the setup, the device's embedded NAT and firewall deliver **secure internet access** to all connected clients.

KEY FEATURES AND BENEFITS

- Supreme home gateway for advanced triple-play services and multiple UHD TV IP streams
- Gigabit Ethernet WAN
- Four Gigabit Ethernet LAN ports
- 802.11n/ac MU-MIMO, dual-band 2.4 GHz/5 GHz
- Up to 2,100 Mbps cumulative wireless data rate
- EasyMesh™ compliant mesh Wi-Fi controller
- Seamless roaming and handover with a single SSID
- IP TV over mesh Wi-Fi network
- Smooth multi-streaming and gaming with MU-MIMO
- Applicable in single- and dual-box deployments



WAN interface

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

LAN interfaces

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

Wireless LAN

- 802.11b/g/n 2x2 MIMO and 802.11ac 4x4 Wave2 MU-MIMO
- Wi-Fi access point with internal antennas
- Simultaneous dual-band 2.4 GHz and 5 GHz
- Data rates up to 1733 Mbps @5 GHz and up to 300 Mbps @2.4 GHz
- SSID broadcast
- Beamforming and band steering
- WPA/WPA2 in PSK mode
- Wi-Fi protected setup (WPS)
- 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 (such as Innbox M84)
- 802.11k/v/r compliant seamless roaming and band steering
- Up to three guest networks
- Smart QoS management
- TR-069 client for remote management
- XMPP client for remote provisioning over third-party network
- Detailed diagnostics

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, service-based tagging
- IGMP transparent snooping, IGMP forking (optional)
- Automatic MAC learning and aging

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

Configuration and network management

- UPnP/DLNA
- Simple port configuration
- DHCP server for IP management
- 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
- IPERF (optional)
- Buttons: WPS/WLAN, Reset button

Power

- External 110-240 V AC, 50-60 Hz, 12 V DC 1.5 A
- Power consumption less than 16 W
- K.21 overvoltage protection

Physical dimensions

- 0.3 kg (without power adapter)

Environment

- Operating: +5..+40 °C, RH 5..85% non-condensing, compliant with ETSI 300 019-1-3, Class 3.1
- Storage: -25..+55 °C; RH 10..95% non-condensing, compliant with ETSI 300 019-1-1, Class 1.2

Certification

- CE, CB, EAC, RoHS compliant

Some features are hardware-dependent.

Some features might not be included in dedicated software releases.

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