ASKEY – AP5630W

Askey WiFi Mesh Advanced

The Askey Wireless Mesh Advanced is ideal to optimise the existing WiFi network and extend its range to hard to access places. Because it's 802.11k/v/r compliant, it allows multiple wireless nodes to connect with each other without having an Access Point between them, thus providing reliable connectivity between each node, using best path selection technology that minimises convergence risks for latency-sensitive video traffic.
Tri-band, this Solution has a dedicated backhaul connection that helps maximize internet speeds for 4K streaming and connections to multiple devices and enables Askey wireless nodes to deliver internet speeds as fast as the primary router.

The Askey Wireless Mesh Advanced delivers high speed WiFi to the whole home, thus allowing all the family's devices to enjoy a stable and fast connection to the Internet for uninterrupted surfing and content streaming – which makes it ideal for large houses and complex topologies.
Reliable and stable, the connection is fast to establish as the Askey WiFi Mesh Advanced is very simple to pair with existing routers. The Bluetooth & WPS pairing and the dedicated App, make this Solution even simpler and faster to be paired.

For Ethernet wired houses and areas subject to Radio Interferences, the Askey WiFi Mesh Advanced provides Aggregation of Wired & Wireless for a faster and more reliable connection. Its optional Zero-Wait Dynamic Frequency Selection (DFS) enables it to hop from channel to channel to avoid interference, disconnections and reduce latency.

This is the ideal Connectivity Solution – expandable, reliable and totally in-line with today's increasing bandwidth demands.

Tri-Band|Mesh|802.11k/v/r compliant|Easy Pairing

Hardware

- 2x2:2 2.4GHz/5GHz Dual Band Dual Concurrent Fronthaul
- 2x2:2 5GHz WiFi Backhaul
- Two-port Gigabit Ethernet PHY
- 256MB DDR3, 128MB NAND Flash
- Interfaces
  2 x 10/100/1000Mbps LAN Ports
- Easy Pairing Button
- Reset Button
- External Power Supply
  AC Input: 110~240V (50~60Hz)
  DC Output: 12V with 2A max

Software

- Networking
  DHCPv4 client / DHCPv6 client
  Supports IPv6 dual stack
  Supports for TCP/UDP/ICMP/ARP
  Supports multicast IGMP v3, IGMP Snooping
  Supports DNSv4/ DNSv6
  Band steering
  Roaming Management
  802.11r
  802.11k
  802.11v
- QoS
  WMM, 802.11e

Mesh Network

- Supports two mode : Controller mode / Extender mode
- Controller/ Extender Auto Detection
- EasyMesh
  On-boarding/ Backhaul selection/ AP auto config/ Multi-AP steering/ Topology detection
- Askey Cloud System & FOTA
- Web GUI & App On-boarding
- TR069/TR181 Remote Control
- XMPP for Connection Request
- Mesh Group Configuration
- Adaptive Path Selection
- Range Extender Placement Indicator
- Multi-cast Enhancement
- Safety AP Steering Mechanism

Wireless

- IEEE 802.11a/b/g/n/ac
- Data Rate
  2.4 GHz – up to 400 Mbps
  5.0 GHz Radio 1 – up to 867 Mbps
  5.0 GHz Radio 2 – up to 867 Mbps
- Frequency
  2.4GHz & 5GHz
- Antenna
  5x Internet Antennae
- MIMO Technology
  6 spatial streams
- Encryption
  WPA2-PSK, WPA-PSK

Configuration and Management

- Firmware upgrades via Web GUI, APP or FOTA
- Remote Management via TR-069 and TR-181
- Dual-Image supports for firmware upgrade failsafe
- Save and Restore Configuration Settings

Mobile App Features

- Parental Control
  MAC Filter
  Schedule management
- Guest WiFi
- Mesh Network Status
- Speed Test

Dimensions

- W 72 x H 132.5 x D 105 mm

Environment

- Operating Temperature 0° C – 40° C
- Operating Humidity 90% maximum, non-condensing