



ORBITER 6

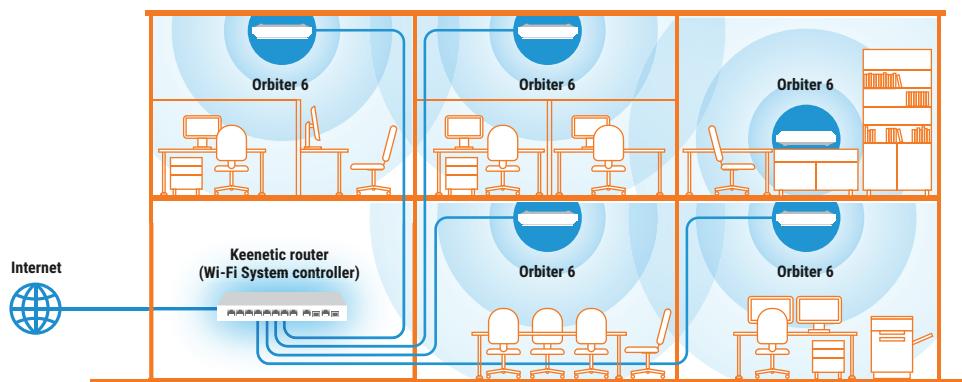
AX3000 Wi-Fi 6 Access Point with a 2.5 Gigabit Ethernet Port and Power over Ethernet

- Flexible installation on desk, wall or ceiling
- Single-cable deployment with 802.3at PoE
- Enhanced coverage with a multi-antenna system, reflector and high-power front-end modules
- Seamless connectivity through roaming and band steering
- Protect data with traffic and resource segmentation
- Lightning-fast 2.5 Gbps Ethernet for high-speed connectivity
- Convenient local, remote and cloud-based management via any Keenetic router

Keenetic Solutions for Business

Keenetic routers and access points deliver cost-effective solutions for environments with constrained budgets, ensuring functionality, performance, ease of setup, reliability and comprehensive support. For offices, branches, retail outlets, restaurants, small hotels and clinics, Keenetic offers essential business-class features:

- Uninterrupted Internet access with redundancy and load balancing.
- Secure VPN connectivity for branch offices and remote workers.
- Network segmentation to protect against data breaches.
- Internet filtering to optimise employee productivity and protect corporate information.
- Guest hotspot for visitor identification and Wi-Fi marketing.
- Scalable Wi-Fi coverage with centralised management.
- Remote monitoring and management for distributed enterprise networks.



Flexibility and Scalability

Orbiter 6 provides a versatile solution for creating a new Wi-Fi network or expanding an existing one. It ensures robust connectivity, high-speed performance and support for network segmentation¹. The full potential of Orbiter 6 is realised when integrated into a Keenetic Wi-Fi System. Integrate the access point via Mesh Wi-Fi for rapid, cable-free deployment, or utilise Ethernet for maximised performance. The Keenetic Mesh Wi-Fi System provides seamless 802.11k/r/v roaming and centralised management via the Keenetic router web interface, mobile app or cloud service. This solution ensures network stability and ease of management in any environment.

Easy Installation Anywhere

Orbiter 6's minimalist design and three mounting options – desktop, wall and ceiling – make it ideal for any room where high-speed Wi-Fi is required. Owing to PoE technology, the device is both powered and networked through a single Ethernet cable, offering speeds of up to 2.5 Gbps. This makes installation as convenient as possible and simplifies the process of integrating the device into your existing infrastructure.

Wide Coverage and Seamless Wi-Fi

Orbiter 6's expertly engineered integrated multi-antenna system with directional beamforming reflector and discrete signal amplifiers deliver stable Wi-Fi coverage across extensive areas. Seamless 802.11k/r/v roaming technology allows customer devices to automatically connect to the access point with the best signal without interruption or data loss. This occurs within a fraction of a second, ensuring an uninterrupted network experience in offices, shops, restaurants and hotels where employee and guest mobility is expected.

Security and High Speed

With network segmentation using VLANs and individual Wi-Fi SSIDs, you can effectively separate application traffic and access to information resources. Establish isolated networks for guests, employees or specific departments to enhance security and maintain network stability. This approach protects your corporate data, reduces the risk of congestion and keeps your business-critical applications running smoothly. In addition, the Ethernet port offers communication speeds of up to 2.5 Gbps, which is particularly important for businesses with high demands on network speed and stability.

Key features

- Model number: KAP-630
- CPU: MT7981B 1300 MHz, dual core
- RAM: 512 MB DDR4
- Flash memory, Dual Image: 128 MB
- Wi-Fi 2.4 + 5 GHz
- Wi-Fi class: AX3000
- Wi-Fi antennas: 3 total
2.4 GHz: 2 dual band internal
5 GHz: 2 dual band internal, 1 internal
- Wi-Fi client capacity: Up to 256 in 2.4 & 5 GHz (shared)
- Ethernet ports: 1 x 2.5 Gbps + PoE
- Mesh Wi-Fi System
- DFS support: Zero Wait DFS (ch. 52–64)
Standard DFS (ch. 100–140)

Performance

- 2.4 GHz Wi-Fi network: 574 Mbps (802.11ax)*
2T x 2R: 4SS, 40 MHz
- 5 GHz Wi-Fi network: 2402 Mbps (802.11ax)*
3T x 3R: 2SS, 160 MHz

Wireless network

- Seamless roaming 802.11k/r/v
- MU-MIMO
- Airtime Fairness
- Beamforming
- OFDMA
- Pre-configured Wi-Fi protection
- WEP, WPA-PSK
- WPA2-PSK, WPA2-Enterprise
- WPA3-PSK, WPA3-Enterprise, OWE
- Multiple Wi-Fi networks: Up to 7

* Actual data throughput will vary and may be reduced by equipment features and settings, the number of client devices on the network, obstacles to signal propagation, the presence of other wireless networks, and radio interference.

- Access control by MAC address
- Wi-Fi Multimedia (WMM)

Features and protocols

- VLAN IEEE 802.1Q
- Direct or cloud access via KeenDNS

Troubleshooting and management

- Cloud-based Remote Network Monitoring and Management
- Web Interface with the Initial Setup Wizard and HTTPS security
- Command Line (CLI) via TELNET/SSH
- An option to control from external network
- Backup and restore configuration
- Automatic OS updates
- System event logging

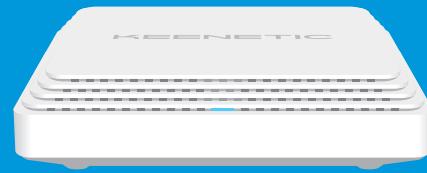
Physical specifications and environment requirements

- Device dimensions, w x d x h:
170 mm x 170 mm x 42 mm
- Device weight: 488 g
- Operating temperature: 0–40 °C
- Operating humidity: 20–95% non-condensing
- Power supply voltage: 100–240 V
50/60 Hz; 802.3at (PoE+ 18 W)

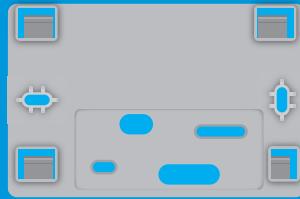
Package contents

- Device
- Power adapter: 12 V 1.5 A
- Wall / ceiling mounting kit
- Quick start guide

Package contents



Orbiter 6 Access Point



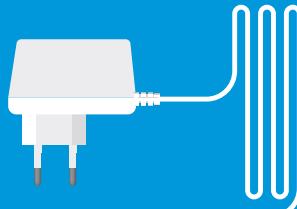
Mounting bracket



Two T-trail clips



Four M3x4 pan-head screws



100–240 V power adapter



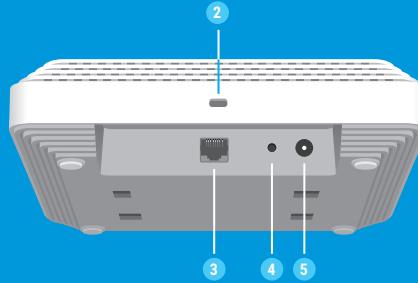
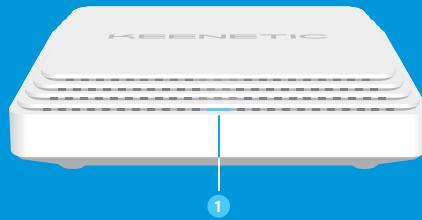
Two drywall anchors



Two ribbed wall plugs 6x25



Two 3,5x20 self-tapping screws



- 1 Status LED
- 2 Kensington Security Slot™
- 3 Network Port 0 - PoE
- 4 Reset Button
- 5 DC Power Socket

Ordering Information

Model name	Part number	Short description
Keenetic Orbiter 6 (KAP-630)	KAP630-EU	AX3000 Wi-Fi 6 Access Point with a 2.5 Gigabit Ethernet Port and Power over Ethernet