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ORBITER 5

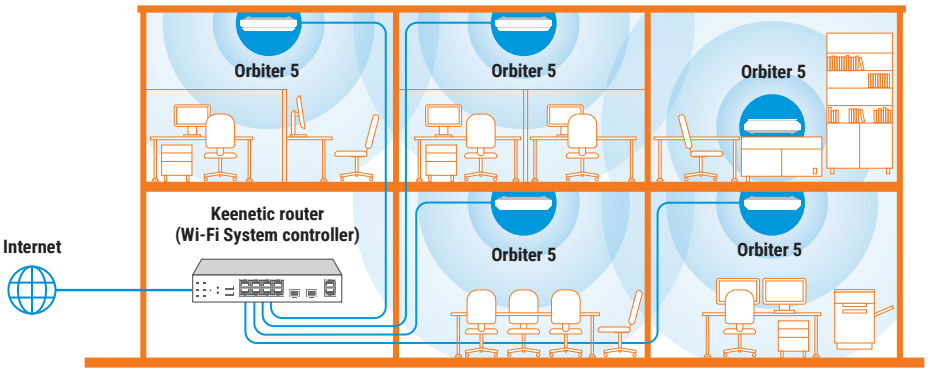
AC1200 Wi-Fi 5 Ceiling Mount Access Point with a 2-Port Gigabit Smart Switch and Power over Ethernet

- **Flexible installation on desk, wall or ceiling**
- **Single-cable deployment with 802.3af PoE**
- **Two Gigabit Ethernet ports provide high-speed, flexible connectivity**
- **Enhanced coverage with high-power front-end modules**
- **Seamless networking through roaming and band steering**
- **Data protection using traffic and resource segmentation**
- **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 5 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 segmentation[1]. The full potential of Orbiter 5 is realised when integrated into a Keenetic Mesh Wi-Fi System which 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. For maximum performance, integrate the access point via Ethernet. Alternatively, utilise wireless backhaul for quick, cable-free deployment.

Easy Installation Anywhere

Orbiter 5'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. 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 5's 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.

Secure Network Segmentation

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.

Key features

- Model number: KAP-530
- CPU: MT7621A 880 MHz, dual core
- RAM: 128 MB DDR3
- Flash memory, Dual Image: 128 MB
- Wi-Fi 2.4 + 5 GHz
- Wi-Fi class: AC1200
- Wi-Fi antennas: 2.4 + 5 GHz dual-band: 2 internal
- Wi-Fi client capacity:
  2.4 GHz: Up to 75
  5 GHz: Up to 124
- Ethernet ports: 1 × 1 Gbps, 1 × 1 Gbps + PoE
- Mesh Wi-Fi System
- DFS support: Standard DFS (ch. 52–140)

Performance

- 2.4 GHz Wi-Fi network:
  300* Mbps (802.11n)
  2T × 2R: 2SS, 40 MHz
- 5 GHz Wi-Fi network:
  867* Mbps (802.11ac)
  2T × 2R: 2SS, 80 MHz

Wireless network

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

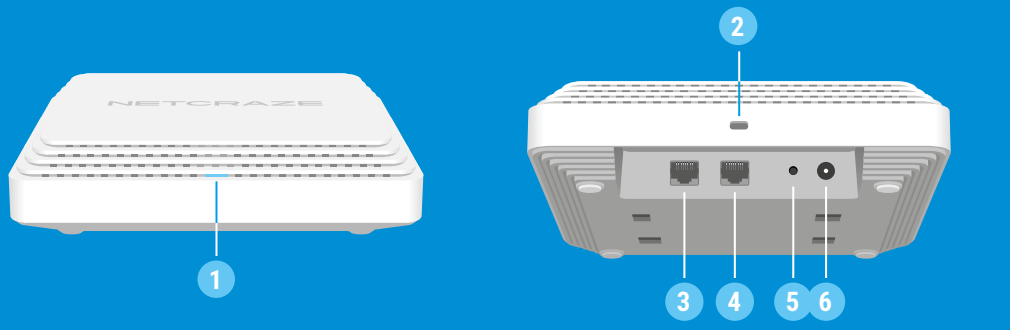
- Cloud-based Remote Network Monitoring and Management
- Web Interface with the Initial Setup Wizard and HTTPS security
- Command Line (CLI) via TELNET/SSH
- An option to control from external network
- Backup and restore configuration
- Automatic OS updates
- System event logging

Physical specifications and environment requirements

- Device dimensions, w × d × h:
  170 mm × 170 mm × 42 mm
- Device weight: 387 g
- Operating temperature: 0–40 °C
- Operating humidity: 20–95% non-condensing
- Power supply voltage:
  100–240 V 50/60 Hz; 802.3af (PoE 11 W)

Package contents

- Device
- Power adapter: 12 V 1 A
- Wall / ceiling mounting kit
- Quick start guide



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

Ordering Information

Model name	Part number	Short description
Keenetic Orbiter 5 (KAP-530)	KAP-530-EU	AC1200 Wi-Fi 5 Ceiling Mount Access Point with a 2-Port Gigabit Smart Switch and Power over Ethernet

*867 and 300 Mbps are maximum wireless signal rates derived from the 802.11ac/802.11n specifi cations, used when connecting to clients using two spatial streams and an 80/40 MHz channel bandwidth for transmission and reception. Actual data throughput and wireless coverage will vary and may be lowered by the features and settings of the equipment, the number of client devices in the network, obstacles to signal propagation, the presence of other wireless networks, and/or radio interference.

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