

KEENETIC



HERO

AX1800 Mesh Wi-Fi 6 Router with a 5-Port Gigabit Smart Switch, SFP Combo Port, USB 2.0 and USB 3.0 Ports

KEY FEATURES

- **Model number**
KN-1011
- **CPU**
MT7621A 880 MHz, dual core
- **RAM**
512 MB DDR3
- **Flash memory, Dual Image**
128 MB
- **Wi-Fi 2.4 + 5 GHz**
- **Wi-Fi class**
AX1800
- **Antennas**
5 dBi
- **Dedicated Wi-Fi Spectrum Analyser**
- **Ethernet ports**
5 x 1 Gbps: 4 x RJ-45, 1 x Combo RJ-45/SFP
- **WPS/Wi-Fi button**
- **FN button**
Yes, two buttons
- **USB ports**
1 x USB 2.0, 1 x USB 3.0
- **3G/4G connection**
Via a compatible USB modem
- **Telephony support**
With Keenetic Linear (sold separately)
- **Mesh Wi-Fi System**

PERFORMANCE

- **2,4 GHz Wi-Fi network**
574 Mbit/s*
- **5 GHz Wi-Fi network**
1201 Mbit/s*
- **IPoE/PPPoE routing**
Up to 1800 Mbit/s in duplex
- **L2TP/PPTP routing**
Up to 800 Mbit/s
- **Reading from a USB drive**
Up to 90 MB/s (USB 3.0)

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**
- **Multi-SSID and Guest Network**
- **Access control by MAC address**
- **Wi-Fi Multimedia (WMM)**

FEATURES AND PROTOCOLS

- IPoE, PPPoE, PPTP, L2TP, 802.1x
- Multi-WAN
- Policy routing
- Internet connection backup
- Ping Check connectivity monitor
- PPPoE/PPTP/L2TP pass-through
- VLAN IEEE 802.1Q
- Routing table (DHCP/Manual)
- IntelliQoS
- DHCP (client/server)
- IPv6 Dual Stack
- NAT
- IGMP
- UDP to HTTP proxy
- UPnP
- Manual port forwarding
- SPI firewall with protection against DoS attacks
- PPTP (client/server)
- L2TP over IPsec client/server
- OpenVPN client/server
- SSTP client/server
- Ethernet-over-IP, IP-IP, GRE
- IPsec VPN (client/server)
- WireGuard
- Dynamic DNS client
- Direct or cloud access via KeenDNS
- HTTPS security for access via KeenDNS
- SafeDNS parental control
- AdGuard ad blocker
- Traffic statistics per client
- Bandwidth limit per client
- Access schedule per client or interface
- Guest hotspot with authentication (Captive Portal)

USB APPLICATIONS

- 3G and 4G (LTE) USB modems support
- RAS, NDIS, CDC-Ethernet, QMI support
- File server and personal cloud
- FAT, FAT32, exFAT, NTFS, EXT2, EXT3, EXT4, HFS+ support
- CIFS/SMB
- AFP
- FTP, SFTP
- WebDAV
- Time Machine, File History support
- Support for third-party extension packages from the Entware and Debian repositories
- Download Station
- File server
- Media server
- Print server

TROUBLESHOOTING AND MANAGEMENT

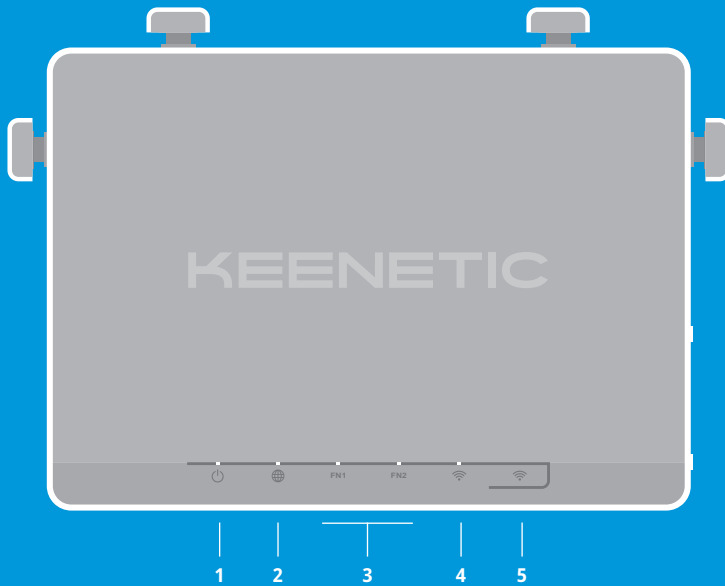
- Mobile app for Android and iOS
- Web Interface with the Initial Setup Wizard and HTTPS security
- Command Line (CLI) via TELNET/SSH
- An option to control from external network
- Backup and restore configuration
- Automatic OS updates
- System event logging

PHYSICAL SPECIFICATIONS AND ENVIRONMENT REQUIREMENTS

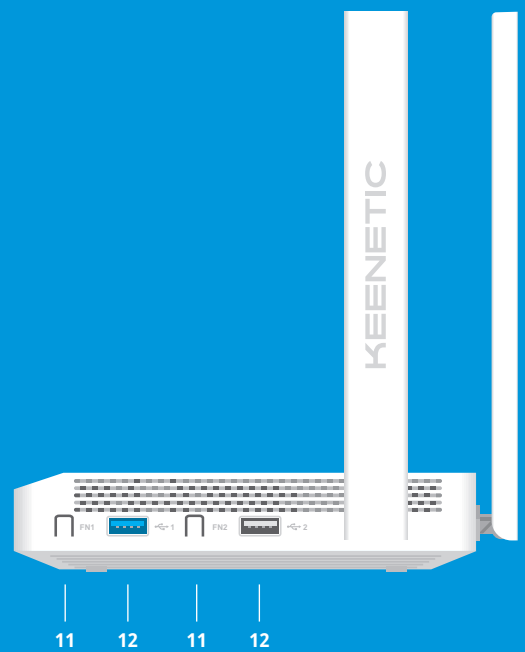
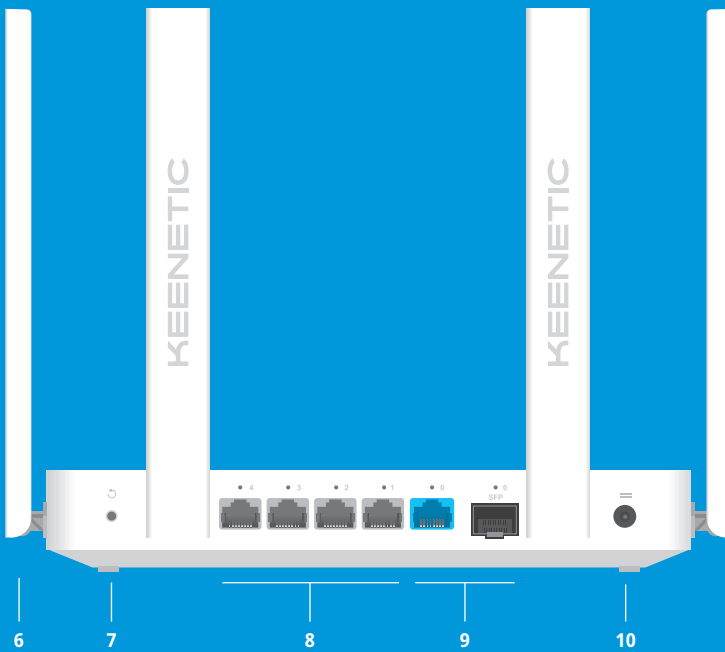
- **Device dimensions excluding antenna, w x d x h**
214mm x 154mm x 33mm
- **Device weight**
488 g
- **Operating temperature**
0–40°C
- **Operating humidity**
20 – 95% non-condensing
- **Power supply voltage**
100-240V 50/60 Hz

PACKAGE CONTENTS

- Device
- Power adapter
- Ethernet cable
- Quick start guide



1. Status LED
2. Internet LED
3. FN1 & FN2 LEDs
4. Wi-Fi LED
5. Wi-Fi Control Button
6. Wi-Fi Antennas
7. Reset Button
8. Network Ports 1, 2, 3 & 4
9. Combo Port 0
10. DC Power Socket
11. FN1 & FN2 Buttons
12. USB 3.0 & USB 2.0 Port



ORDERING INFORMATION

Model name	Part-number	Short description
Keenetic Hero (KN-1011)	KN-1011-01-EN	AX1800 Mesh Wi-Fi 6 Router with a 5-Port Gigabit Smart Switch, SFP Combo Port, USB 2.0 and USB 3.0 Ports

*1201 and 574 Mbps are maximum wireless signal rates derived from 802.11ax specifications, 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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