

KEENETIC



CARRIER **DSL**

AC1200 Mesh Wi-Fi 5 VDSL2/ADSL2+ Modem Router with a 4-Port Smart Switch and USB Port

KEY FEATURES

- **Model number**
KN-2111
- **CPU**
EN7513T 900 MHz, dual core
- **RAM**
128 MB DDR3
- **Flash memory, Dual Image**
128 MB
- **Wi-Fi 2.4 + 5 GHz**
- **Wi-Fi class**
AC1200
- **Antennas**
5 dBi
- **Ethernet ports**
4 x 100 Mbit/s
- **WPS/Wi-Fi button**
- **FN button**
- **USB ports**
USB 2.0
- **3G/4G connection**
Via a compatible USB modem
- **DSL connection**
Built-in ADSL2+/VDSL2 modem
- **Telephony support**
With Keenetic Linear (sold separately)
- **Mesh Wi-Fi System**

PERFORMANCE

- **2,4 GHz Wi-Fi network**
300 Mbit/s*
- **5 GHz Wi-Fi network**
867 Mbit/s*
- **IPoE/PPPoE routing**
Up to 95 Mbit/s
- **L2TP/PPTP routing**
Up to 95 Mbit/s
- **Reading from a USB drive**
Up to 12 MB/s

DSL PROTOCOL SUPPORT

- **Automatic selection of ADSL modulation**
- **G.Dmt, G.Lite, ADSL2, ADSL2+**
- **The maximum number of PVC**
8
- **VDSL2, 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a profiles**
- **G. vector support**

WIRELESS NETWORK

- Seamless roaming 802.11k/r/v
- 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
- Cloudflare DNS
- 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

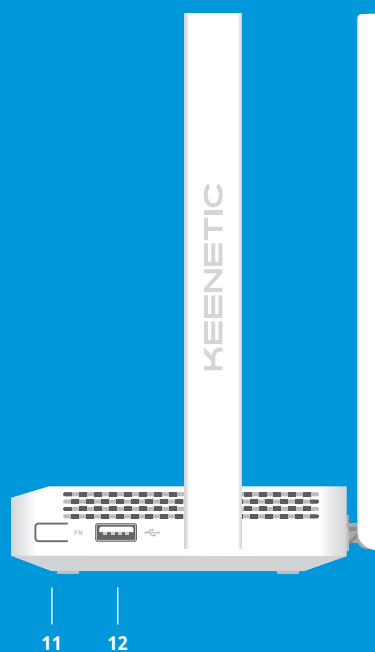
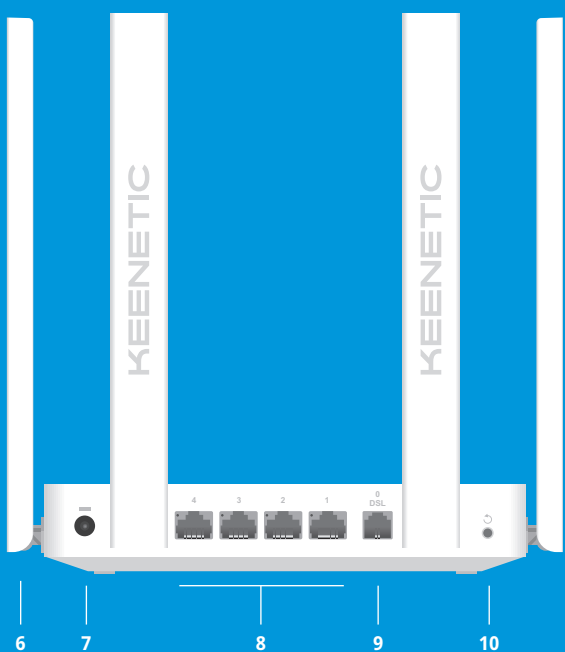
- **Device dimensions excluding antenna, w x d x h**
159 mm x 110 mm x 29 mm
- **Device weight**
248 g
- **Operating temperature**
0–40°C
- **Operating humidity**
20%–95% non-condensing
- **Power supply voltage**
100–240 V 50/60 Hz

PACKAGE CONTENTS

- Device
- Power adapter
- Ethernet cable
- Telephone cable
- DSL splitter
- Quick start guide



1. Status LED
2. Internet LED
3. FN LED
4. Wi-Fi LED
5. Wi-Fi Control Button
6. Wi-Fi Antennas
7. DC Power Socket
8. Network Ports 1, 2, 3 & 4
9. Network Port 0 / DSL
10. Reset Button
11. Programmable FN Button
12. USB 2.0 Port



ORDERING INFORMATION

Model name	Part-number	Short description
Keenetic Carrier DSL (KN-2111)	KN-2111-01EN	AC1200 Mesh Wi-Fi 5 VDSL2/ADSL2+ Modem Router with a 4-Port Smart Switch and USB Port

*300 and 867 Mbps are maximum wireless signal rates derived from 802.11n/ac specifications, used when connecting to clients using two spatial streams and an 40/80 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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