



KEENETIC

Whole Home Wi-Fi Routers



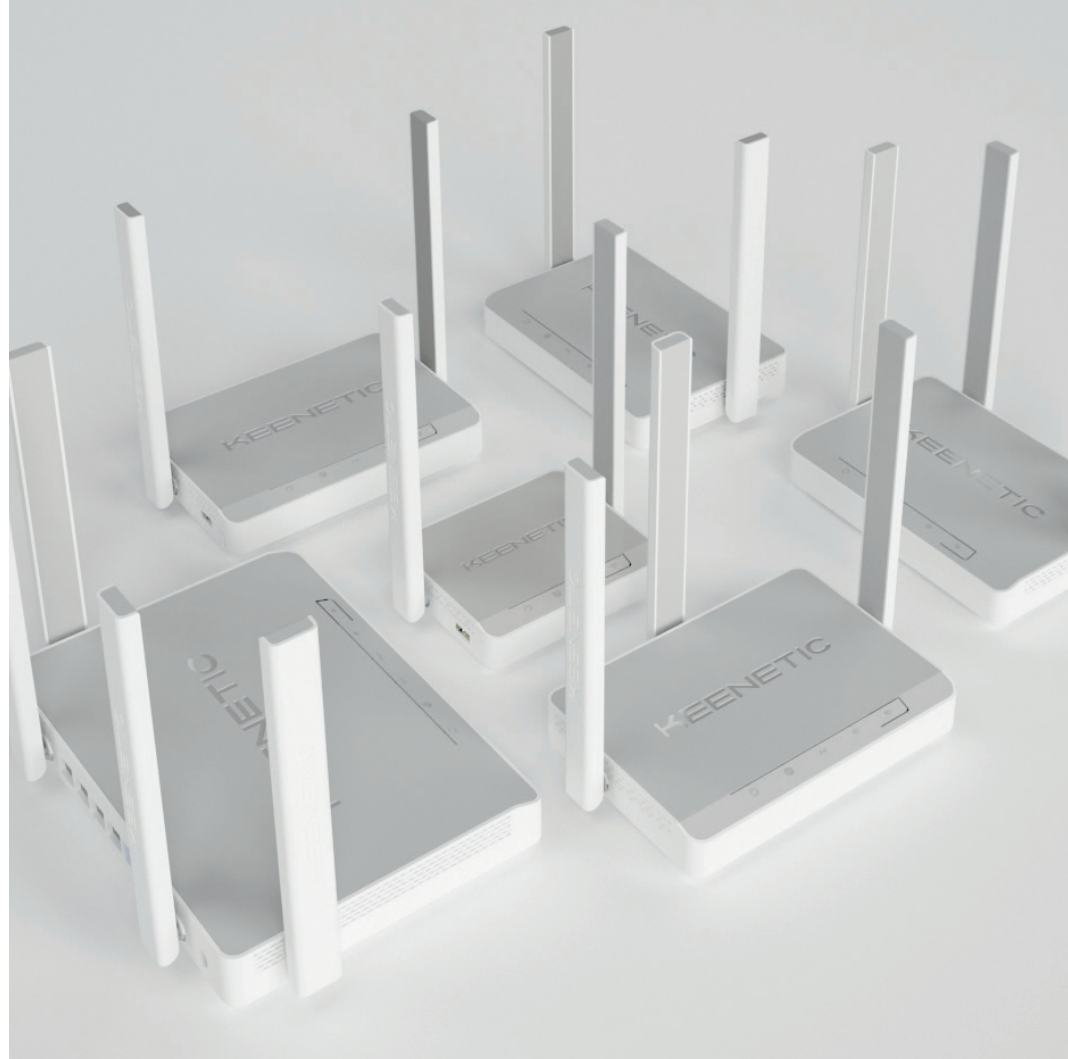
Let's get acquainted! Introducing Keenetic

Founded in 2010, Keenetic is an ambitious, innovative designer/developer & vendor, focused on Wi-Fi routers for SOHO and retail clients.

Keenetic has a mission to deliver commercially useful cutting-edge Wi-Fi router performance without energy & memory thirsty pointless gimmicks. Our products are simultaneously affordable and employ market proven robust hardware with optimized software to capture and keep happy, loyal customers. Since 2010 several dozen models have been launched, and the number of users of our brand has exceeded five million.

Keenetic understands that business is done between people and that it is as important to listen as to preach, so Keenetic has built complex customer and distributor support infrastructures that allow prompt complaint resolution and clear product development guidance. A great selling point of our offerings is their continuous suitability for current market customer needs and the modular architecture that allows Keenetic products to grow with the clients' needs.

Our management team has more than 20 years of successful collaboration in the field of residential Internet access technology development. This experience has been gained in the highly competitive, very demanding, and extremely price sensitive market of ex-USSR. We believe that growing up in such a commercial cauldron has made Keenetic lean, decisive and a good and fair commercial partner ready for the global market.



Why choose and recommend Keenetic?

It works right out of the box

The modular Keenetic OS, which we have been developing since 2010, is extremely well optimized, such that users can select the necessary components and apps by themselves, without having to pay extra for unnecessary hardware resources or to think about installing alternative upgrades. The same functionality is implemented on all our devices, from the most basic to our top models.

A seamless internet connection

Reliable functionality at maximum speed with any provider, various ways to access the internet, and reception of IPTV are available for an unlimited number of interfaces (Multi Wan via any Ethernet port, 3G/4G USB modem, WISP, optical port, or DSL modem) with connection reservations and individual priorities for domestic devices.

A Wi-Fi system for any platform

You can start with any one of our models. And if the large, high-precision printed antennas even along with additional Wi-Fi signal amplifiers do not provide a speed and coverage that are strong enough, then add another Keenetic, or maybe two, or however many you need, by

connecting them to a centrally managed Wi-Fi system with seamless roaming throughout your home regardless of its structure and dimensions. Configuration can be optimized depending on your personal requirements to performance or convenience through Ethernet wiring to connect extenders or using wireless MESH connections. Wireless MESH feature will be available on selected Keenetic routers after the upgrade to Keenetic OS version 3.1.

The foundation of a smart home

Reserved internet access, total DNS filtration, safe remote control and isolation of network segments are key to the fail-proof functioning of any smart home system.

Protection from cyberthreats

By default, Keenetic and its network are protected to the highest possible degree by a firewall and a tamper-resistant authentication system with SSL access. In order to protect user devices, smart equipment, and parental control, the SkyDNS, and AdGuard services have been installed to the router. The operating system automatically updates, helping to ensure the highest level of security.

3G/4G USB modem support

Any Keenetic model that has a USB port supports more than 150 3G/4G/LTE modems in optimal NDIS/CDC Ethernet modes, with uninterrupted connection control and automatic modem rebooting after power failures.

USB functions and apps

The USB drive includes a file server for Windows and Apple with Time Machine, autonomous torrent downloading, and a DLNA server with 4K support. In addition, OPKG packages can be launched. A DECT station for IP telephony and an ADSL/VDSL modem are available as an option. A list of supported USB printers is available on our website.

Expertise not required

By default, Keenetic routers are highly secure and configured such that minimal user intervention is required, thus leading to as few errors as possible. Almost everything can be configured and controlled from the mobile app. Contextual help in the web configuration tool either takes you to a comprehensive knowledge base or straight to the very best technical support service on the market, and this is not an exaggeration.

Even the best system admins will appreciate it

Professional administrators for small businesses are receiving current VPN technology right out of the box (IPSec, L2TP over IPSec, OpenVPN, PPTP, and SSTP servers and clients), as well as Ethernet over IP, GRE, and IP over IP tunnels. They are also getting a captive portal for a guest Wi-Fi network with dozens of ready-made profiles for service authorization.

Guarantee and support

Owners of Keenetic routers receive a three-year guarantee and support right from the moment of purchase. They also get four years of functionality and security updates from whenever the device came onto the market.

Keenetic ULTRA (KN-1810)

AC2600 Dual Band Whole Home Wi-Fi SFP/RJ-45 Combo Gigabit Router

This model differs from the others due to its Wi-Fi class AC2600, 4T4R configuration, beamforming, and additional signal amplifiers. It can provide Wi-Fi coverage for a large apartment or house, with gigabit speed of access to internet and reading from a USB drive. It also allows for professional working performance of VPN servers with IPsec hardware acceleration. Ultra is recommended for 3x3, 4x4, and 2x2@160 Mhz Wi-Fi adapters, for gamers, for wireless 4K video tasks, networks with a large number of Wi-Fi clients, smart home systems, and small business tasks. When other models in this range are added, it can serve as a seamless Wi-Fi system controller.

Wi-Fi AC2600



880 MHz MIPS 1004KEc dual-core CPU;
256 MB DDR3 SDRAM;
128 MB flash memory (Dual Boot);
Routing, crypto and storage accelerators.



Simultaneous 1733 Mbps 5 GHz and 800 Mbps 2.4 GHz dual-band Wi-Fi radios;
4x4 MU-MIMO, 256 QAM;
8 power amplifiers for extended and reliable coverage;
4x5 dBi precision printed dual-band dipole antennas.



5-port 10/100/1000M managed Ethernet switch.



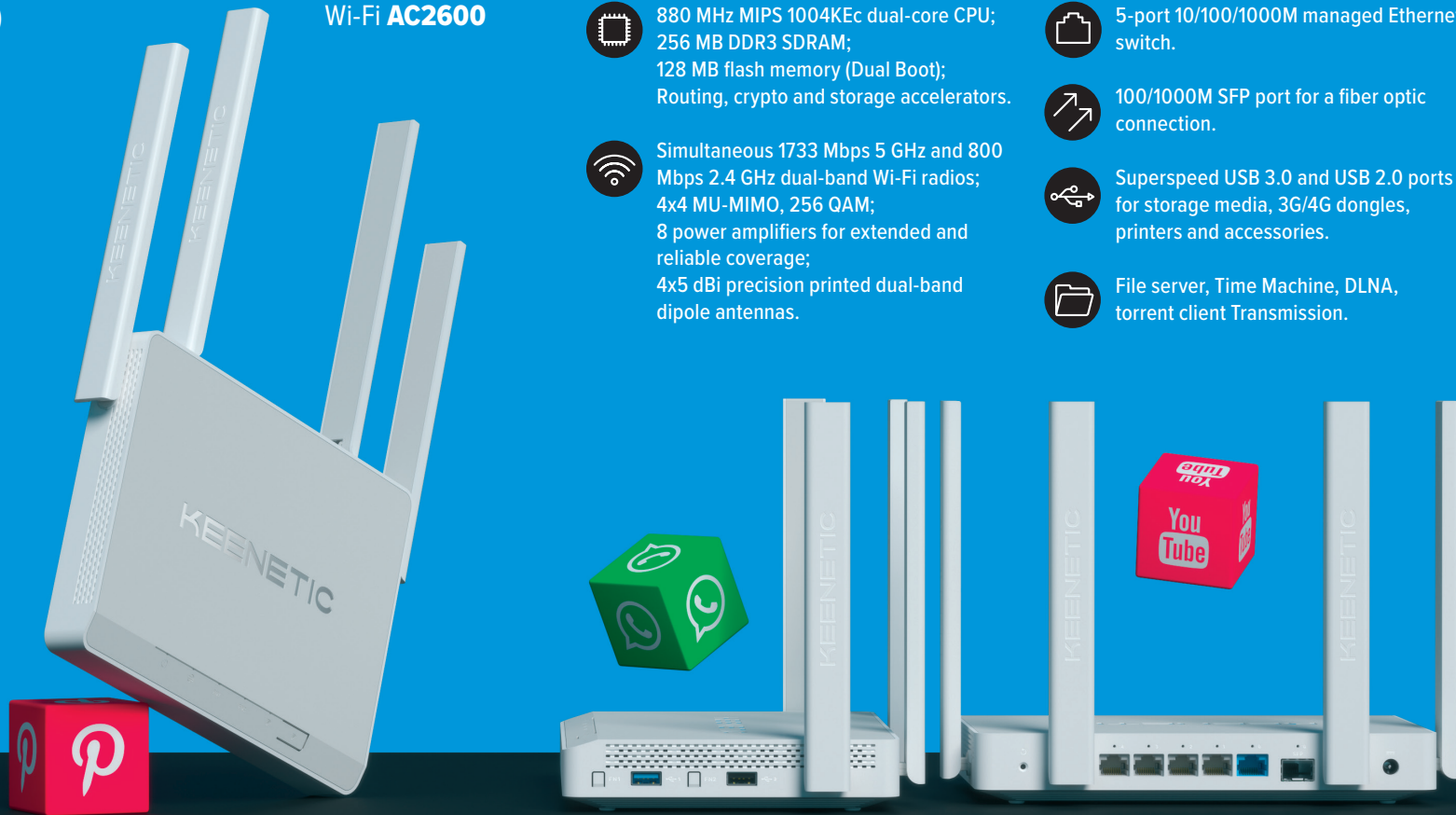
100/1000M SFP port for a fiber optic connection.



Superspeed USB 3.0 and USB 2.0 ports for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Keenetic GIGA (KN-1010)

AC1300 Dual Band Whole Home Wi-Fi SFP/RJ-45 Combo Gigabit Router

The legendary, 4th-generation gigabit router with AC1300 class Wi-Fi and additional signal amplifiers. The optimal solution for the vast majority of AC1200/1300 wireless users with a practical speed of up to 700 Mbit/s. It offers the best routing performance, USB drive functionality, apps, and VPN servers in the Keenetic range. Ready to build a seamless gigabit Wi-Fi system. The best combination of functions, speed, flexibility, and price on the market, both for use at home or in a small business.

Wi-Fi **AC1300**



880 MHz MIPS 1004KEc dual-core CPU;
256 MB DDR3 SDRAM;
128 MB flash memory (Dual Boot);
Routing, crypto and storage accelerators.



Simultaneous 867 Mbps 5 GHz and 400 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MU-MIMO, 256 QAM;
4 power amplifiers for extended and reliable coverage;
4x5 dBi precision printed dual-band dipole antennas.



5-port 10/100/1000M managed Ethernet switch.



100/1000M SFP port for a fiber optic connection.



Superspeed USB 3.0 and USB 2.0 ports for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Keenetic VIVA (KN-1910)

AC1300 Dual Band Whole Home Wi-Fi Gigabit Router

The most accessible AC1300 class Wi-Fi gigabit router in the range. It is designed for users who value a high-speed internet access and local network, USB apps, and fast VPN servers. The Giga and Ultra models have the edge, however, when it comes to SFP ports and USB 3.0. Viva is the best choice for internet plans of up to 1000 Mbit/s, for connecting powerful computers and network storage devices, and also for streaming 4K video. Also it is the ideal choice as your main device, or as an additional extender for creating a seamless gigabit Wi-Fi system in a multi-room apartment, large house, or a small office.



Wi-Fi AC1300



880 MHz MIPS 1004KEc dual-core CPU;
256 MB DDR3 SDRAM;
128 MB flash memory (Dual Boot);
Routing, crypto and storage accelerators.



Simultaneous 867 Mbps 5 GHz and 400 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MU-MIMO, 256 QAM;
4x5 dBi precision printed dual-band dipole antennas.



5-port 10/100/1000M managed Ethernet switch.



Optimal Gigabit extender for Whole Home Wi-Fi System.



Two USB 2.0 ports for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Keenetic EXTRA DSL (KN-2111)

AC1200 Dual Band Whole Home Wi-Fi VDSL2/ADSL2+ Modem Router

This model is for those who need to connect to the internet via copper ADSL2+ or VDSL2 lines, who want dual-band AC1200 MIMO 2x2 Wi-Fi and the ability to add any expansion to functionality via a USB port. It can serve as your main or reserve connection to a provider via DSL, Ethernet and 3G/4G USB modem in any combination. All of the functionality of the Keenetic platform has been implemented in this device: from USB apps to hardware accelerated VPN tunnels and servers, from smart home network segmentation to seamless roaming and a multi-node Wi-Fi system.

Wi-Fi AC1200 VDSL2/ADSL2+



900 MHz MIPS 34Kc CPU with 2 virtual processor units;
128 MB DDR2 SDRAM;
32 MB flash memory (Dual Boot);
Routing and crypto accelerators.



Simultaneous 867 Mbps 5 GHz and 300 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MIMO;
4 power amplifiers for extended and reliable coverage;
4x5 dBi precision printed dipole antennas.



4-port 10/100M managed Ethernet switch.



USB 2.0 port for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Up to 200 Mbps VDSL2 modem with 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a profiles;
Up to 24 Mbps ADSL2+ modem, ADSL2 & ADSL compatible.



Keenetic EXTRA (KN-1710)

AC1200 Dual Band Whole Home Wi-Fi USB Router

This «swiss army knife» is for internet plans of up to 100 Mbit/s in medium-sized apartments with modern wireless Wi-Fi devices that support the 802.11ac standard, such as smartphones, tablets, notebooks, Gaming and Media boxes, Smart TVs. The Wi-Fi signal amplifiers and separate antennas provide up to 23 dBm of power in the 5 GHz range. The universal USB host allows modems, external hard drives, and printers to be used. In terms of functionality, the Extra is on a par with top models, if you do not require gigabit internet speeds and a home network.



Wi-Fi AC1200



580 MHz MIPS 24KEc CPU;
128 MB DDR2 SDRAM;
32 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



Simultaneous 867 Mbps 5 GHz and 300 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MIMO;
4 power amplifiers for extended and reliable coverage;
4x5 dBi precision printed dipole antennas.



5-port 10/100M managed Ethernet switch.



USB 2.0 port for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Robust Cyberthreat Protection and Parental Control Tools.



Keenetic AIR (KN-1610)

AC1200 Dual Band Whole Home Wi-Fi Router/Extender

On the one hand, the Air can function as a high-quality AC1200 Wi-Fi router in all situations where USB functions and an Ethernet speed higher than 100 Mbit/s are not required. On the other hand, thanks to the ability to manually connect to other wireless systems, this model is excellent for any tasks related to expanding Wi-Fi coverage. It can work as an independent universal router, repeater, adapter, or access point, and also as node of Keenetic's seamless Wi-Fi systems as a controller or extender.



Wi-Fi AC1200



580 MHz MIPS 24KEc CPU;
64 MB DDR2 SDRAM;
16 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



Simultaneous 867 Mbps 5 GHz and 300 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MIMO;
4x5 dBi precision printed dipole antennas.



4-port 10/100M managed Ethernet switch.



Operating mode selector for easy switching: router, access point, repeater, adapter.



Whole Home Wi-Fi Router/Extender.



Robust Cyberthreat Protection and Parental Control Tools.



Keenetic CITY (KN-1510)

AC750 Dual Band Whole Home Wi-Fi Router

The most affordable dual-band model in the Keenetic range, created especially for urban settings and apartment blocks with a high density of access points, where, in order to achieve a stable connection, it is best to switch to a frequency of 5 GHz and use wireless devices that support the 802.11ac standard. The maximum speed achievable by even just one transmitter is up to 433 Mbit/s, and the supported adapters are widespread in inexpensive smartphones, tablets, mediaboxes, monoblocks and notebooks.



Wi-Fi AC750



580 MHz MIPS 24KEc CPU;
64 MB DDR2 SDRAM;
16 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



Simultaneous 433 Mbps 5 GHz and 300 Mbps 2.4 GHz dual-band Wi-Fi radios;
2x2 MIMO;
3x5 dBi precision printed dipole antennas.



4-port 10/100M managed Ethernet switch.



Minimally required extender for dual band Whole Home Wi-Fi System.



Robust Cyberthreat Protection and Parental Control Tools.



Friendly, Easy to Use App for iOS and Android.



Keenetic OMNI DSL (KN-2011)

N300 Whole Home Wi-Fi VDSL2/ADSL2+ Modem Router

The main advantage of this model is its high-quality VDSL2/ADSL2+ modem with the MultiWAN functionality of a managed switch and a universal USB port. This means that you can connect to the internet via three different methods simultaneously, with reservation and priorities. The unified Keenetic OS platform is supplemented the powerful processor with acceleration of VPN-tunnels, supporting of USB disks and apps, printers and DEST stations. The performance and Wi-Fi coverage can be enhanced using other Keenetics for getting a centralized Whole Home Wi-Fi system.

Wi-Fi N300 VDSL2/ADSL2+



700 MHz MIPS 34Kc CPU with 2 virtual processor units;
128 MB DDR2 SDRAM;
128 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



300 Mbps 2.4 GHz Wi-Fi radio;
2x2 MIMO;
2 amplifiers to compensate for weaker mobile device signals;
2x5 dBi precision printed dipole antennas.



4-port 10/100M managed Ethernet switch.



USB 2.0 port for storage media, 3G/4G dongles, printers and accessories.



File server, Time Machine, DLNA, torrent client Transmission.



Up to 200 Mbps VDSL2 modem with 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a profiles;
Up to 24 Mbps ADSL2+ modem, ADSL2 & ADSL compatible.



Keenetic OMNI (KN-1410)

N300 Whole Home Wi-Fi USB Router

The Omni is the most affordable model in the range, which can get a feel for all of the USB-related possibilities of the Keenetic OS. Not only 3G/4G/DSL modems work with it, but also printers and even DEST stations. By adding a USB drive, you can launch not only your own apps, but also OPKG packages from the Debian and Entware repositories. The N300 Wi-Fi with reception amplifiers allows you to connect any, even the least powerful of smart home devices. The speed and coverage can be improved by adding other models and setting up a Wi-Fi system with seamless roaming.



Wi-Fi N300



575 MHz MIPS 24Kec CPU;
128 MB DDR2 SDRAM;
32 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



300 Mbps 2.4 GHz Wi-Fi radio;
2x2 MIMO;
2 amplifiers to compensate for weaker mobile device signals;
2x5 dBi precision printed dipole antennas.



5-port 10/100M managed Ethernet switch.



USB 2.0 port for storage media, 3G/4G dongles, printers and accessories.



Robust Cyberthreat Protection and Parental Control Tools.



File server, Time Machine, DLNA, torrent client Transmission.



Keenetic LITE (KN-1310)

N300 Whole Home Wi-Fi Router/Extender

The Lite will easily manage any internet plan of up to 100 Mbit/s as the main router, and also will be able to serve as an access point, repeater or adapter due its ability to connect quickly to these pre-configured modes of operation. The 5 dBi antennas and additional Wi-Fi reception amplifiers will help you to detect wireless clients with weak transmitters more easily, such as smartphones and tablets, IP cameras and telephones, internet items, and smart home devices. Even this inexpensive model has seamless roaming, functionality of VPN clients and servers, VLANs and network segmentation.

Wi-Fi N300



575 MHz MIPS 24KEc CPU;
64 MB DDR2 SDRAM;
16 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



300 Mbps 2.4 GHz Wi-Fi radio;
2x2 MIMO;
2 amplifiers to compensate for weaker mobile device signals;
2x5 dBi precision printed dipole antennas.



5-port 10/100M managed Ethernet switch.



Operating mode selector for easy switching: router, access point, repeater, adapter.



Whole Home Wi-Fi Router/Extender.



Robust Cyberthreat Protection and Parental Control Tools.



Keenetic START (KN-1110)

N300 Whole Home Wi-Fi Router

Don't settle for anything less when connecting your internet and IPTV via a twisted-pair cable for plans of up to 100 Mbit/s or when you need additional modes: WISP, access point, adapter and repeater. It functions the same as all other Keenetic models, except it does not have USB interface functionality or dual-band Wi-Fi. Start boasts reservation of internet access, VPN servers/clients via all protocols, cloud management, VLANs, segmentation and seamless roaming, content filtering and parental control, a guest network and a schedule.

Wi-Fi N300



575 MHz MIPS 24KEc CPU;
64 MB DDR2 SDRAM;
16 MB flash memory (Dual Boot);
AES 128/256 crypto accelerator.



300 Mbps 2.4 GHz Wi-Fi radio;
2x2 MIMO;
2x5 dBi precision printed dipole
antennas.



4-port 10/100M managed Ethernet
switch.



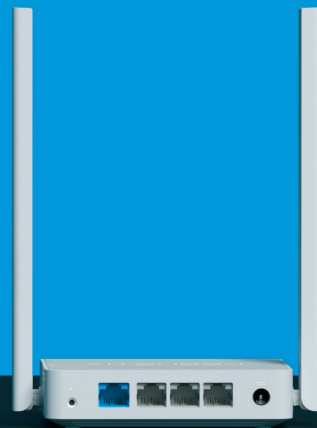
Robust Cyberthreat Protection
and Parental Control Tools.



Remote access by https via cloud service
KeenDNS with free 3rd level domain
name and SSL-certificate by Let's Encrypt.



Friendly, Easy to Use App
for iOS and Android.



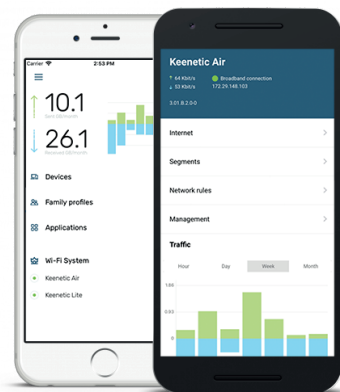
	Start KN-1110	Lite KN-1310	Omni KN-1410	Omni DSL KN-2011	City KN-1510	Air KN-1610	Extra KN-1710	Extra DSL KN-2111	Viva KN-1910	Giga KN-1010	Ultra KN-1810
CPU	MT7628N 575 MHz	MT7628N 575 MHz	MT7628N 575 MHz	EN7512U 700 MHz, 2 threads	MT7628N 580 MHz	MT7628N 580 MHz	MT7628N 580 MHz	EN7513T 900 MHz, 2 threads	MT7621A 880 MHz, 2 cores	MT7621A 880 MHz, 2 cores	MT7621A 880 MHz, 2 cores
RAM	64 MB DDR2	64 MB DDR2	128 MB DDR2	128 MB DDR2	64 MB DDR2	64 MB DDR2	128 MB DDR2	128 MB DDR3	128 MB DDR3	256 MB DDR3	256 MB DDR3
Wi-Fi	2,4 ГГц N300	2,4 ГГц N300	2,4 ГГц N300	2,4 ГГц N300	2,4 + 5 ГГц AC750	2,4 + 5 ГГц AC1200	2,4 + 5 ГГц AC1200	2,4 + 5 ГГц AC1200	2,4 + 5 ГГц AC1300 Wave 2	2,4 + 5 ГГц AC1300 Wave 2	2,4 + 5 ГГц AC2600 Wave 2
Antennas	2 x 5 dBi	2 x 5 dBi 2 amplifiers	2 x 5 dBi 2 amplifiers	2 x 5 dBi 2 amplifiers	3 x 5 dBi	4 x 5 dBi	4 x 5 dBi 4 amplifiers	4 x 5 dBi 4 amplifiers	4 x 5 dBi	4 x 5 dBi 4 amplifiers	4 x 5 dBi 8 amplifiers
Ports	4 x FE	5 x FE	5 x FE 1 x USB 2.0	1 x RJ-11 4 x FE 1 x USB 2.0	4 x FE	4 x FE	5 x FE 1 x USB 2.0	1 x RJ-11 4 x FE 1 x USB 2.0	5 x GbE 2 x USB 2.0	1 x Combo GbE SFP 4 x GbE 1 x USB 2.0 1 x USB 3.0	1 x Combo GbE SFP 4 x GbE 1 x USB 2.0 1 x USB 3.0
3G/4G dongles support	—	—	●	●	—	—	●	●	●	●	●
ADSL2+/VDSL2 modem	—	—	—	●	—	—	—	●	—	—	—
USB storage, printers support	—	—	●	●	—	—	●	●	●	●	●
AP/Repeater/Adapter operating modes	●	H/W mode selector	●	●	●	H/W mode selector	●	●	●	●	●
File sharing, backup, download and streaming	—	—	●	●	—	—	●	●	●	●	●

For all models

Multi WAN for failover and load balancing, VPN server/client (PPTP, IPsec, L2TP/IPsec, OpenVPN, SSTP), Keenetic app for iOS and Android, remote access with KeenDNS, automatic software updates, cyberthreat protection (SafeDNS, AdGuard, Yandex.DNS), IEEE 802.11k/r/v seamless roaming

Keenetic mobile application

The Keenetic mobile app has been developed to allow you to easily setup and manage your Keenetic Whole Home Wi-Fi System. Employing the latest cloud technology Keenetic App features are available everywhere, not only on your home network, but also wherever you have an internet connection to your smartphone. The Keenetic App allows you to configure your Internet connection, update the Keenetic Operating System on your Keenetic device, or reconfigure your home network settings. The Keenetic App can be set up in minutes and gives you the ability to monitor the status and current speed of your Internet connection, enable or disable the Guest Wi-Fi network, as well as set up weekly schedules for members of your family, monitor their Internet activity, manage content restrictions and even stop, pause and restart home access to the Internet.



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