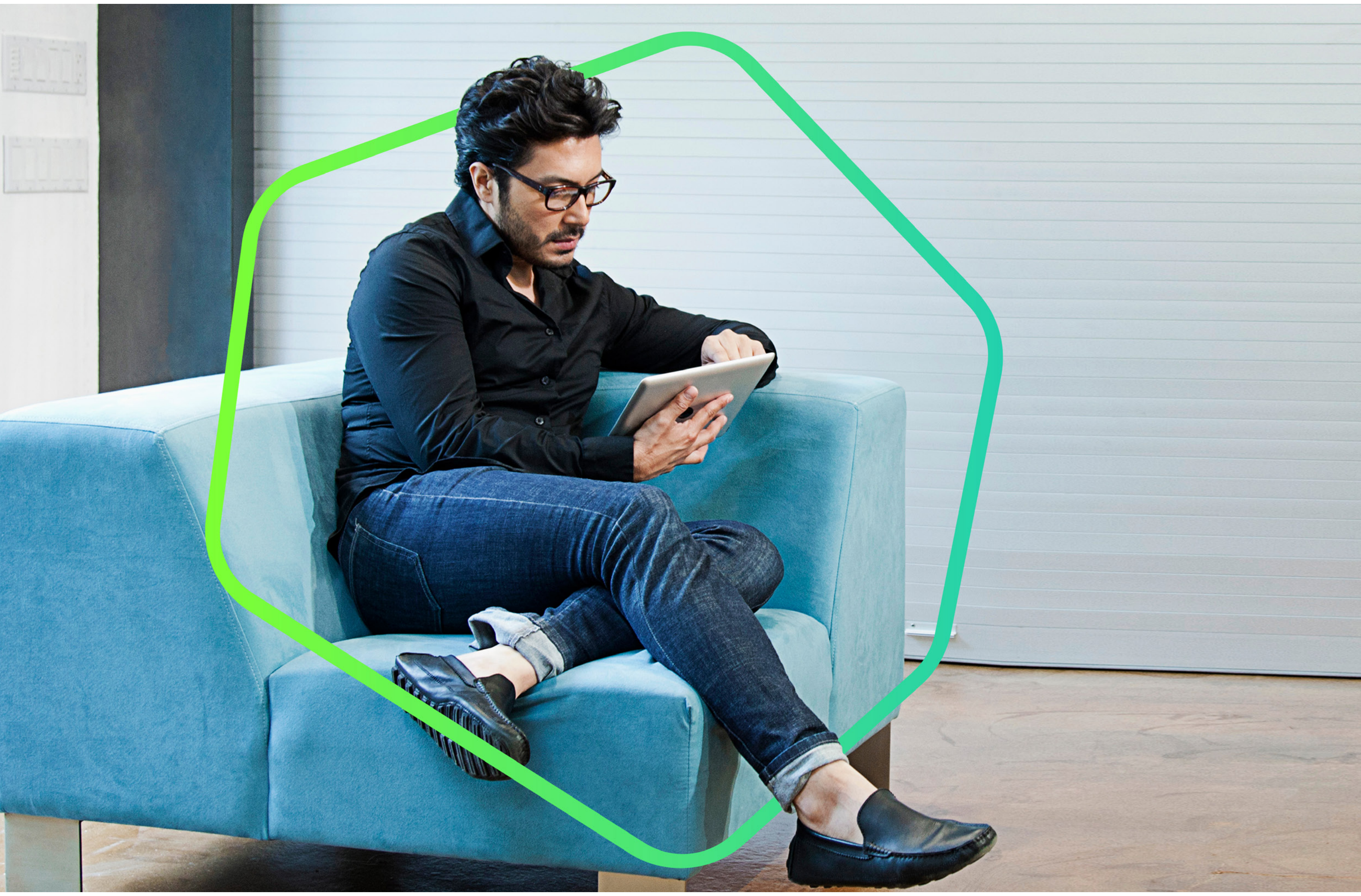
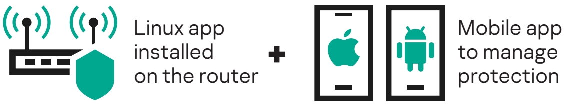
# Kaspersky Smart Home Security



## A solution built to protect smart home users from hackers and other cyberthreats


Linux app installed on the router
+
Mobile app to manage protection

### The smart home device market is growing fast — but so are threats which target it

From speakers to TVs; doorbells to thermostats, there are hundreds of millions of smart home devices in the world today. And with the IoT market set to grow by 11% year-over-year until 2024 — driven largely by the adoption of speakers, thermostats and cameras — users are increasingly being targeted by criminals eager to exploit their lack of experience with new technologies. In fact, research shows that cyberattacks against smart home device users, including hacker attacks, have risen by an incredible 850% since 2017. These findings illustrate the urgent need for users to protect their smart homes with the right security.

### Kaspersky's solution lets users protect their smart homes

To address the growing demand for smart device security, Kaspersky, a leading global cybersecurity provider, came up with a new solution. Called Kaspersky Smart Home Security, it is built from the ground up to help your customers manage smart home protection. When customer decides to use it, the solution will be remotely installed by telecom operator to router(s). Afterwards, user only needs to install our easy-to use app on smartphone to control the protection of smart home and IoT devices!

## A host of protection features, compatible with Android and iOS

Kaspersky Smart Home Security comes with a comprehensive set of features built to secure smart homes and IoT home devices. It's designed to protect individual users and their families from threats including device damage, ransomware attacks, secret surveillance and threats to their physical safety.

### AV file scanning

If an adversary attempts to take control of the user's router and home networks devices by uploading a malicious file, our technologies will detect and remove the threat in real time. Plus the user will be notified about the attempted attack through their app.

### Internet port security

Kaspersky Smart Home Security protects the user's home devices by detecting and blocking hackers who attempt to gain access via vulnerable ports or protocols.

### Brute force blocker

To protect the user from brute force attacks, Kaspersky Smart Home Security detects when connection attempts are made with unrecognized credentials. Then, if the number of attempts exceeds a certain amount, it will block further attempts for a period of time.

### Weak password checker

Our system detects and warns about password vulnerabilities in the user's router and connected devices. This will prevent hackers from accessing their router through Telnet, or other protocols, using weak or leaked credentials.

### Malicious site checker

If a device in user`s home network is compromised and tries to access harmful website, Kaspersky Smart Home Security will recognize the malicious site and block such connection.

### Internet port checker

Kaspersky Smart Home Security locates and alerts the user about vulnerable ports that could be used by hackers to break into their home network, helping them protect their router and home devices.

### Web filtering — kids protection

To help users ensure their kids use the Internet responsibly, we've made it easy for them to block harmful content. Users simply selects the categories of websites they don't want their children to visit — and if they try they'll be blocked!

### Internet access schedule — kids protection

To prevent the kids from spending too much time online, we allow users to create an Internet-use schedule for any device connected to their home network. Plus they can see when individual devices leave or reconnect to their home network.

## How you can capitalize on our solution

Kaspersky Smart Home Security is available for a monthly subscription fee. This means that by offering it to your customers, you can generate recurring revenue for your business while providing an essential security service you'll be loved for. Start selling our solution to enjoy all these benefits and more:

- Increased sales — through a recurring monthly income stream that's easy to forecast
- Improved customer loyalty — by providing your users with an essential and helpful service
- Reduced churn — subscription models are proven to persuade customers to stay for longer
- Competitive edge — by diversifying your offering versus your competitors
- Enhanced brand image — via association with a world-leading cybersecurity in security.

## FAQs

1. **With what hardware is Kaspersky Smart Home Security compatible? Does it have minimum hardware requirements?**

   Kaspersky Smart Home Security is designed for mass-market home gateways with the most basic hardware and firmware:
   - 2xCore MIPS CPU
   - 20 Mb of free RAM memory
   - 20 Mb of free disc/flash memory
   - Linux based firmware
   - Linux kernel version is 3.10 or above and includes TProxy, Netfilter components
   - Ability to install/uninstall kernel module (insmod and rmmod utilities)

2. **How can we receive Kaspersky Smart Home Security for evaluation?**

   At the moment, there are no standard APIs or SDKs that allow to create one binary solution that could be run on each home gateway. This means that we need to rebuild our solution for each target hardware platform. So, for adjusting KSHS for the particular router models we need to have the router and development SDK for its firmware

3. **How is the router part of the solution delivered to the end user?**

   We expect that the application will be deployed via Telco infrastructure via TR69, Prpl or another appropriate protocol. The solution could be integrated in the firmware or in a container.

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