Kaspersky IoT Secure Gateway

Cyber Immune gateways based on the KasperskyOS operating system for efficient and secure digital transformation. Key elements of reliable end-to-end digital services.

Kaspersky IoT Secure Gateway 100

Industrial data gateway for the internet of things

Kaspersky IoT Secure Gateway 1000

Universal data gateway for the internet of things

Purpose	
Industry	Industry, smart cities and other sectors
Data transport	
Unidirectional flow (software data diode) – Ethernet	Bidirectional exchange – Ethernet, 3G/4G
Data collection via OPC UA protocol	Data collection and transfer via MQTT
Converts OPC UA → MQTT / MindLib	Support for MQTT connection broker
Cloud support	
Works with MQTT-compatible clouds as well as with Siemens MindSphere	Works with MQTT-compatible clouds
Cybersecurity	
Cyber Immunity: innate protection of the gateway and the data it transfers	Cyber Immunity: innate protection of the gateway and the data it transfers
Unidirectionality: protection of equipment from outside access by intruders	Network security features (FW, IDS/IPS, NAT) and centralized management (Kaspersky Security Center)

Hardware platform specifications

	KISG 100	KISG 1000
Processor	Intel Quark X1020	Intel Pentium N4200, 2 MB L2 Cache
Storage	microSD 16GB	SATA II SSD (32 GB)
RAM	1 GB DDR3-SDRAM	4 GB, DDR3L, 1600 MHz
Interfaces	2 x Industrial Ethernet (RJ45, 100 Mbps LAN)	2 x GbE LAN
Dimensions	144x90x53 mm	152x128x37 mm

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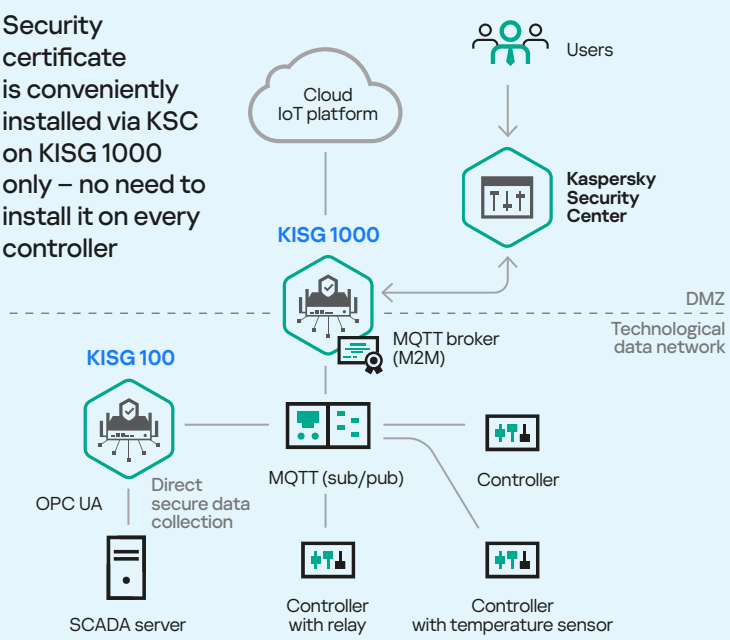
Kaspersky IoT company

KasperskyOS
Be Immune

Examples of projects with KISG

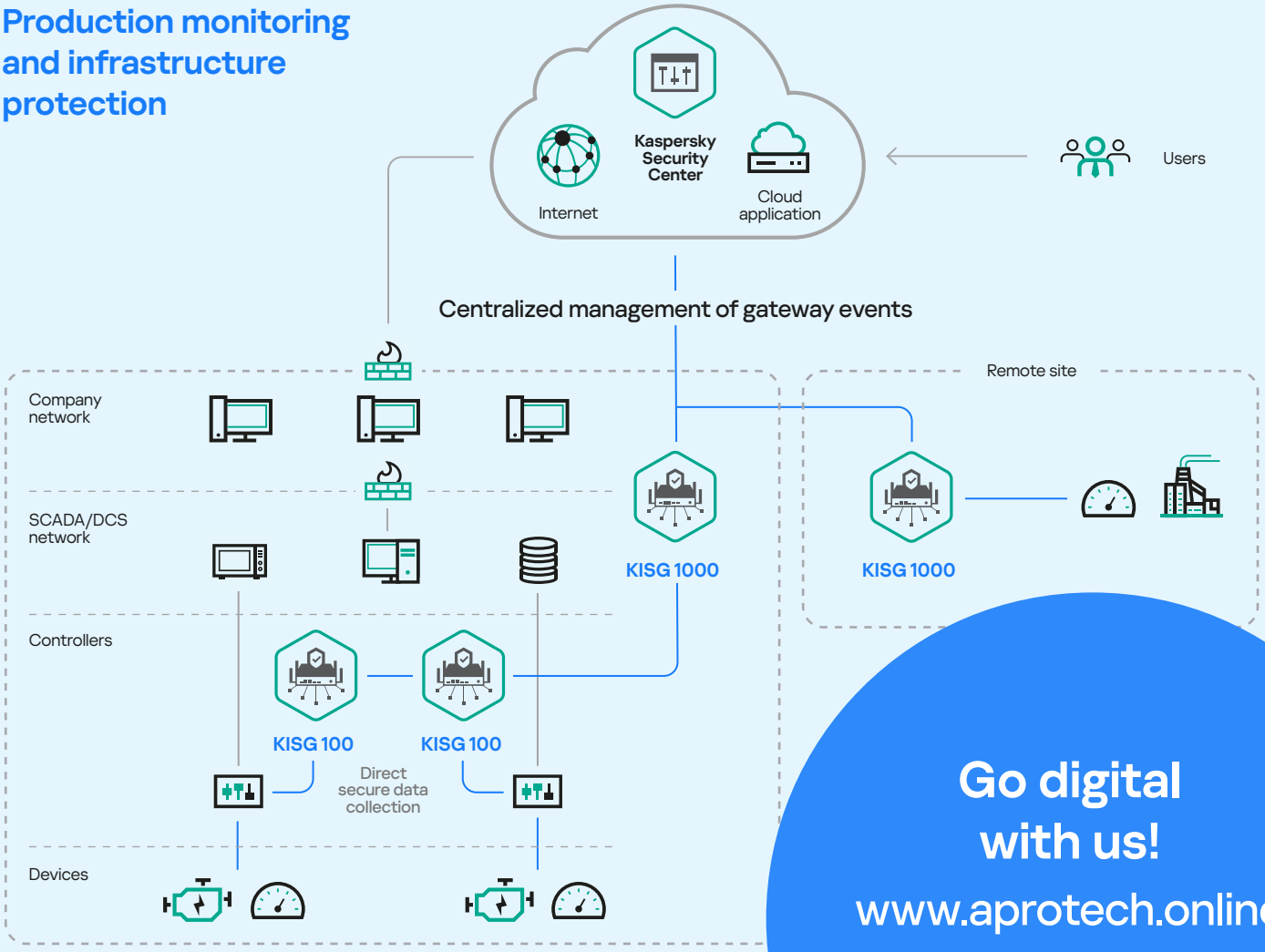
Optimizing data transport and certificate updates for an IoT platform in the housing and utilities sector

Security certificate is conveniently installed via KSC on KISG 1000 only – no need to install it on every controller



Protecting IoT video surveillance systems

Production monitoring and infrastructure protection



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