



Kaspersky
Thin Client

Kaspersky Thin Client

Cyber Immune Thin Client infrastructure



User workstations are one of the most common points of entry into a corporate network storing sensitive data. There may be vulnerabilities in sets of network protocols of the thin client operating system (OS), devices connected to thin clients, third-party vendor applications, and thin client management servers. Additionally, there can be flaws in the code of remote environment delivery protocols.

For example, according to the ICS CERT at Kaspersky, there are at least 25 known vulnerabilities in RDP clients (a protocol for connecting users to remote desktops) rdesktop and FreeRDP, which are used in Windows, Linux, and macOS.

Kaspersky has been working for a long time on creating a trusted information system from untrusted components. The solution has been implemented in an operating system that provides proactive response to threats and is designed to serve as the foundation of IT systems with high information security requirements.

Kaspersky Thin Client is installed on the Centerm F620 hardware platform and runs on the microkernel KasperskyOS. The **Cyber Immune approach** ensures trusted connection to virtual desktop infrastructure.

Kaspersky Thin Client connection scenarios



A terminal server



A remote virtual machine



VDI infrastructure



A remote physical PC/
server



An application server

Companies regularly face difficulties in scaling workstation infrastructure. Kaspersky solution takes into account all the intricacies of implementing a Cyber Immune workstation:

- companies can manage up to 100,000 thin clients from a single console;
- companies can quickly deploy new workstations and reduce infrastructure administration costs;
- the device is Secure by Design and doesn't require additional cybersecurity tools.

Cyber Immune Thin Client



**Kaspersky
Thin Client**

Operating system for thin clients based on the microkernel KasperskyOS, which is preinstalled on the hardware platform



Centerm F620

A single management platform for Kaspersky products



**Kaspersky
Security Center**

A single console for the centralized administration of Thin Clients running on Kaspersky Thin Client and other Kaspersky products



**Kaspersky
Security
Management Suite**

Extension module for the centralized administration of Thin Clients via the KSC management console

Benefits of Kaspersky Thin Client

Advantages of the hardware platform

- Supports 2 monitors
- 6 USB ports
- Fanless cooling by natural air convection
- Compact size
- VESA-mount, horizontal or vertical installation
- High fault-tolerance
- 3-year warranty

Cyber Immune product from the cyber security leader

Thin clients based on KasperskyOS have Cyber Immunity – 'innate' security at the OS architecture level. This means that most types of cyberattacks on a device will have no effect on the security of remote desktop infrastructure.

Reduced costs

Thin client service life is 7-10 years. Excellent performance in dusty premises and production facilities. No active cooling or moving parts. Deployment and maintenance costs for Kaspersky Thin Client infrastructure are likely to be lower than those for other solutions.

A single management platform for IS and IT

Centralized monitoring and management of all thin client infrastructure events is performed via the Kaspersky Security Center console. Supports management of up to 100,000 nodes. Thin clients are registered and configured automatically when new devices are connected to the infrastructure.

Integration in infrastructure in just 2 minutes

Quick start of a thin client and a compact distribution that reduces the load on network infrastructure. Security is monitored via Kaspersky Security Center management console, making it easier to switch from traditional workstations to thin clients. If the software configuration is updated within the Kaspersky Thin Client corporate image, the solution performs a centralized automated update on all thin clients.

Centerm F620 specification

| | |
|-----------------------|--|
| Operating system | Kaspersky Thin Client |
| Processor | Intel® Celeron® 4125 Gemini Lake Refresh Quad-Core 2.0 GHz (4 MB L2 cache, up to 2.7 GHz) |
| RAM | 4 GB DDR4 (maximum volume 8 GB, DDR4/LPDDR4) |
| Disk subsystem | 64 GB, M.2 (2242) SSD |
| Video | Intel® UHD Graphics 600, up to 1920 x 1080 |
| Network | 1 x LAN (RJ-45) 10/100/1000 for connection to local network |
| Peripheral interfaces | 1 x DP 1 x HDMI 4 x USB 2.0 2 x USB 3.0 |
| Dimensions and weight | Device size: 131 x 31.5 x 167 mm Net weight: 0.55 kg Packaging: 488 x 256 x 108 mm |
| Model features | DC input voltage: from universal (110–230 V) AC adapter 12 V, 3 A Power consumption: no more than 30 W VESA-mount, horizontal or vertical installation Kensington Lock Fanless cooling by natural air convection |



Learn more about the product and successfully implemented projects

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 **KasperskyOS**