

# DATA MONITORING AND VISUALIZATION APPLICATION



CYBERBAT



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# CYBERBAT FUNCTIONALITY

- **Random Access Memory (RAM):** The currently used and available amount of RAM is displayed, as well as a diagram of the current usage of RAM. The parameters of each RAM module are also provided.
- **Storage System (HDD and SSD):** The name, size, and type of each storage device are shown, as well as the occupied and available space for each partition. Temperature, current speed, and other relevant information are also displayed.
- **Network:** The name of the network adapter in the Windows system is provided, as well as the total amount of data received and transmitted per session. Data reception/transmission speeds are also indicated.
- **Branding:** A unique branding element is included to make the application stand out and meet the specific needs of each client.



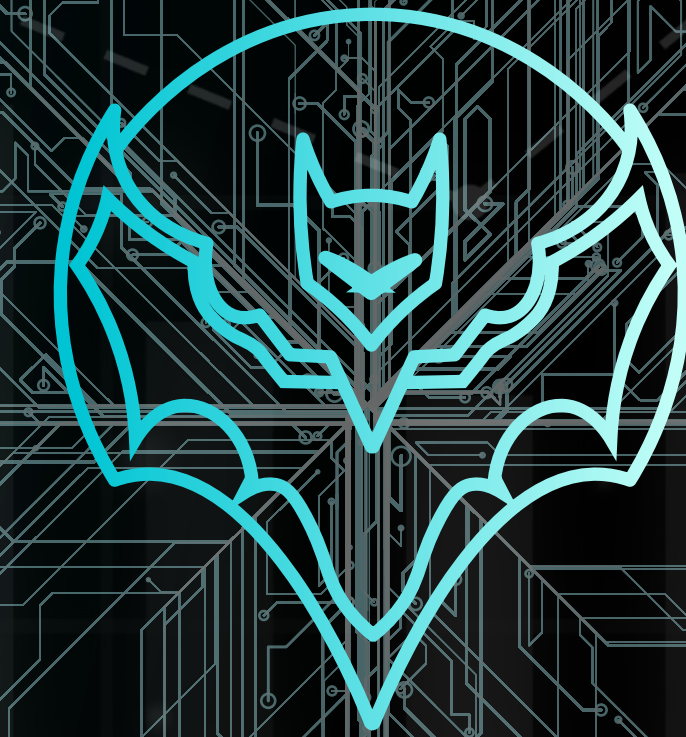
**CyberBat is a desktop monitoring application that automatically collects and visualizes data on the configuration and settings of a workstation.** It serves as a universal control tool for hardware parameters, allowing users to monitor system resource usage in real-time.

The application is designed for the Windows (10/11) operating system and developed by CYBERTOWN COMPANY LIMITED, a company dedicated to providing international IT services.

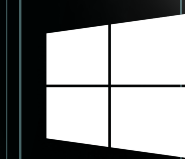


✉ [ceo@cybertown.pro](mailto:ceo@cybertown.pro)

☎ +255 745 687 156



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Windows

# TECHNICAL SPECIFICATIONS



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The application utilizes low-level operating system (OS) driver-level mechanisms and direct calls to hardware buses and system resources to determine configuration.

It is compatible with Windows 10 and 11. The software was developed in C# utilizing the Model-View-ViewModel (MVVM) design pattern.

Leading software development practices and industry-accepted security standards were followed during implementation, resulting in a high-performance, scalable application.



# MARKET DEVELOPMENT TRENDS

The configuration management market is expected to experience rapid growth in the coming years. By 2028, it is projected to reach a size of \$5.95 billion, with a cumulative annual growth rate of 16.9% (CAGR). This growth is driven by the increasing popularity of configuration management, which helps ensure stability, control, and improve the efficiency of IT resource management.

As part of this trend, the CyberBat application can become a useful tool for increasing the efficiency of computer resources, contributing to more stable operation and longer equipment life.



# COMPETITIVE ENVIRONMENT



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The segment of workstation status monitoring applications includes a variety of solutions, including **MSI Afterburner, Libre Hardware Monitor, Speccy, AIDA64, and GPU-Z.**

CyberBat stands out among these competitors by offering a modern and intuitive interface, as well as detailed monitoring of a wide range of components in real-time.



# TARGET AUDIENCE

The application is intended for anyone who requires accurate and timely information about workstation parameters, ranging from IT professionals to gamers.

For instance, CyberBat can assist system administrators and developers in identifying system bottlenecks and optimizing performance.

Gamers can benefit from CyberBat by preventing equipment overheating, extending equipment lifespan, and detecting and resolving malfunctions promptly, thereby ensuring a smooth gaming experience without lag or system "departures".



# COLLABORATION AND CUSTOMIZATION OF THE PROJECT



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CyberBat is flexible and can be tailored to meet the specific requirements of each customer. Our company possesses the necessary expertise, resources, and qualified professionals to handle technical challenges of any complexity.

Financing for improvements can be arranged in stages, with the scope and cost of each phase discussed and agreed upon with the customer.

Furthermore, we are willing to collaborate with the client's team to conduct research and gain a deeper understanding of their needs, thereby optimizing the application and enhancing its efficiency.





# CYBERBAT FUNCTIONALITY

The application gathers information about the workstation's configuration, including:

- **Computer data:** name, processor model, amount of RAM, system unit type, motherboard model, Windows system version.
- **Monitoring device (SuperIO):** name of the SuperIO chip, list of measured motherboard voltages and temperatures, list of fans monitored.
- **Processor:** processor model, processor family, socket type, current clock frequency, bus frequency, physical and logical core count, etc.
- **Video adapter:** video card model, current and maximum power consumption, video memory frequency.



# CYBERBAT DEVELOPMENT OPPORTUNITIES

One of CyberBat's strategic development directions may be the implementation of a feature to send and analyze all data to a centralized server.

This would expand the application's target audience to include corporate companies, departments within large organizations, cloud service providers, and manufacturers of server hardware.

By centralizing data on networked computers, this feature would allow these entities to store and analyze information about computer operations, identify trends, conduct large-scale monitoring, and optimize resources.

Additionally, it would enhance security by detecting potential threats to equipment and networks in advance.

