

# REMOTE COMPUTER MANAGEMENT

DATASHEET

eAuditor  
**V7**  
WEB

It enables connection with another PC on the local network. RDP uses a peer-to-peer connection.

**RDP**

This technology enables real-time communication over the Internet. webRTC is an open source project developed by W3C organization.

**web  
RTC**



**VNC**

It enables to transmit an image from a virtual/physical graphical environment. The system uses the RFB (Remote Frame Buffer) protocol.

**INTEL  
vPro  
/AMT**

It is a complex platform used for remote management of computers. A processor and motherboard supporting Intel vPro/AMT is required to use vPro/AMT.

## KEY FEATURES

- Use of stable open source components (webRTC, VNC, freeRDP),
- Intel vPro/AMT integration,
- Możliwość zarządzania komputerami za NATem,
- Encrypted data transmission - the method of encryption depends on the technology
- File management capability (RTC),
- Remote terminal (RTC),
- Ability to record a remote session (RTC),
- Operating system independence - VNC and RTC clients exist for Linux and MacOS,
- No additional frameworks (e.g. .NET) are required for management,
- Ability to install the client using Active Directory and eAuditor v7 WEB,
- Option to login as a user or service.

## WHAT IS A REMOTE DESKTOP?

A remote desktop is a solution that enables sharing a user's screen of another computer. The eAuditor v7 WEB system allows remote connection via RDP, VNC, Intel vPro/AMT and webRTC. In addition webRTC not only provides a remote desktop but also allows for real-time file management and terminal access.

Remote desktop is most commonly used by IT professionals who use a remote session to help other employees with computer or software configuration issues.

Remote desktop saves time because an IT professionals can do their job remotely without going the computer - this helps reduce support costs. Remote desktop can be used as a remote working tool - the service enables connection to a computer located in the office from the employee's hardware.

## SECURITY OF REMOTE CONNECTIONS

eAuditor v7 WEB allows for data encryption during remote connections. Transferred data is encrypted using the RSA method with public and private keys and min. 128 bit. AES cipher protecting sessions.

## TIME-SAVING

eAuditor v7 WEB enables remote connections using proven technologies available on the market. To establish a connection with a computer, all it takes is a few clicks in the system console.

## RDP REMOTE DESKTOP PROTOCOL

It allows you to connect to another PC on the local network. RDP uses peer-to-peer connections. It requires that an RDP server is installed and properly configured on the target computer.

### Benefits of an RDP connection:

- the user has access to the actual screen image of the remote computer,
- the user can access and manage the computer's resources via output/input devices.

## VNC VIRTUAL NETWORK COMPUTING

The use of Remote Frame Buffer requires that a program with a frame buffer (server VNC), which will send data to the client (eAuditor v7 WEB console), is running on the user's computer.

### Benefits of a VNC connection:

- use of open source components,
- access to the user session (RDP logs the user out after the administrator logs in).

## WEBRTC VIRTUAL NETWORK COMPUTING

The technology is a simple API that, through the use of web sockets, makes it possible to transfer not only audio or video but also files.

### Benefits of a webRTC connection:

- high level of security,
- possibility of using a remote file or terminal manager,
- possibility of connecting to a computer behind NAT.

## INTEL VPRO/AMT

It is a complex platform for remote management of computers. Using Intel vPro/AMT we are able to run remote desktop, remotely configure the network card, boot up a switched off computer or reinstall the operating system.

### Benefits of the Intel vPro/AMT connection:

- unlimited computer configuration options,
- ability to reinstall the OS,
- technology is developed and supported by Intel Inc.

## Comparison of remote desktop methods:

	operating system independence	built-in module for remote session recording	source code access (possibility of code review)	necessity of software installation on the end computer	necessity of support on the hardware side	ability to connect to a computer behind NAT <sup>3</sup>	remote terminal access	access to the file manager from the browser
RDP	✗	✗	CZĘŚCIOWA	✓ <sup>2</sup>	✗	✗	✗	✗
VNC	✓	✗	✓	✓	✗	✗	✗	✗
RTC	✓	✓	✓	✓	✗	✓	✓	✓
vPRO/AMT	✓	✗	✗	✗	✓ <sup>1</sup>	— <sup>4</sup>	✗	✗

1 - THE CPU MUST SUPPORT INTEL VPRO/AMT TECHNOLOGY.

2 - NO SUPPORT FOR MAJOR WINDOWS VERSIONS.

3 - APPLIES TO EAUDITOR V7 WEB SYSTEM.

4 - DEPENDS ON PROCESSOR VERSION. FULL SUPPORT FROM ME 11.X - 6TH GENERATION PROCESSORS.

## RDP Support

	Home	Pro	Enterprise
MS Windows 8	✗	✓	✓
MS Windows 10	✗	✓	✓