



## **FORUM 4.2 from ZEISS** Recommended hardware



**Recommendations for ZEISS FORUM Archive 4.2 with up to 10 concurrent users**

Entry-level server hardware configuration for up to 10 concurrent users with clinical workplaces.

<b>CPU</b>	Intel® Core™ i7-10510U processor or similar
<b>RAM</b>	16 GB
<b>Disk</b>	Redundant 1 TB 7200 RPM SATA
<b>OS</b>	Windows 10 (64 Bit), Windows Server 2016, Windows Server 2019
<b>LAN</b>	1 Gbit/s

**Recommendations for ZEISS FORUM Archive 4.2 with up to 20 concurrent users**

Mid-range server hardware configuration for up to 20 concurrent users with clinical workplaces and up to 4 ZEISS CIRRUS OCTs.

<b>Redundant Power Supply</b>	<b>CPU</b>	Intel® Xeon® Gold 6246 processor or similar/higher (12 cores, 3.4 GHz base frequency)
	<b>RAM</b>	32 GB
	<b>Disk</b>	OS volume: redundant 160 GB Data volume: redundant 200 GB (FORUM installation) DICOM storage volume: redundant 4 TB local or SAN based (FC) or NAS ZEISS Retina Workplace Cache: Non-redundant 2 TB local or SAN based (FC) ZEISS Glaucoma Workplace Cache: Non-redundant 2 TB local or SAN based (FC)
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

Mid-range virtual-machine configuration for up to 20 concurrent users with clinical workplaces and up to 4 ZEISS CIRRUS OCTs.

<b>Hypervisor</b>	VMware vSphere or Microsoft HyperV Running on Intel® Xeon® Gold or Platinum processor with highest possible CPU clock rate (3.4 – 4.2 GHz)	
<b>Virtual Machine</b>	<b>vCPU</b>	12 vCores (1 vSocket)
	<b>vRAM</b>	32 GB
	<b>vDisk</b>	OS volume: redundant 160 GB Data volume: redundant 200 GB (FORUM installation) DICOM storage volume: redundant 4 TB local or SAN based (FC) or NAS ZEISS Retina Workplace Cache: Non-redundant 2 TB local or SAN based (FC) ZEISS Glaucoma Workplace Cache: Non-redundant 2 TB local or SAN based (FC)
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

### Recommendations for ZEISS FORUM Archive 4.2 with up to 50 concurrent users

Enterprise-level configuration for the application/database (FORUM) server for up to 50 concurrent users.

*This configuration requires a separate, dedicated server for the clinical workplaces.*

<b>Redundant Power Supply</b>	<b>CPU</b>	Intel® Xeon® Gold 6244 processor or similar/higher (8 cores, 3.6 GHz base frequency)
	<b>RAM</b>	16 GB
	<b>Disk</b>	OS volume: redundant 160 GB Data volume: redundant 500 GB (FORUM installation) DICOM storage volume: redundant 8 TB local or SAN based (FC) or NAS
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

Enterprise-level virtual-machine configuration for the database (FORUM) server for up to 50 concurrent users.

*This configuration requires a separate, dedicated server for the clinical workplaces.*

<b>Hypervisor</b>		VMware vSphere or Microsoft HyperV Running on Intel® Xeon® Gold or Platinum processor with highest possible CPU clock rate (3.4 – 4.2 GHz)
<b>Virtual Machine</b>	<b>vCPU</b>	8 vCores (1 vSocket)
	<b>vRAM</b>	16 GB
	<b>vDisk</b>	OS volume: redundant 160 GB Data volume: redundant 500 GB (FORUM installation) DICOM storage volume: redundant 8 TB local or SAN based (FC) or NAS
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

### Recommendations for a dedicated Retina Workplace Server

Enterprise-level configuration for the Retina Workplace Server for up to 50 concurrent users.

The server may be a virtual machine with similar specifications.

<b>Redundant Power Supply</b>	<b>CPU</b>	Intel® Xeon® Gold 6244 processor or similar/higher (8 cores, 3.6 GHz base frequency)
	<b>RAM</b>	16 GB
	<b>Disk</b>	OS volume: redundant 160 GB Data volume: redundant 2 TB (Retina Workplace installation and cache)
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

### Recommendations for a dedicated Glaucoma Workplace Server

Enterprise-level configuration for the Glaucoma Workplace Server for up to 50 concurrent users.

The server may be a virtual machine with similar specifications.

<b>Redundant Power Supply</b>	<b>CPU</b>	Intel® Xeon® Silver 4112 processor or similar/higher (8 cores, 2.6 GHz base frequency)
	<b>RAM</b>	16 GB
	<b>Disk</b>	OS volume: redundant 160 GB Data volume: redundant 2 TB (Glaucoma Workplace installation and cache)
	<b>OS</b>	Windows Server 2016, Windows Server 2019
	<b>LAN</b>	10 Gbit/s

## Recommendations for ZEISS FORUM Viewer 4.2 incl. workplaces

CPU	Intel® Core™ i5-10210U processor or similar
RAM	8 GB (min. 4 GB free RAM available for FORUM Viewer)
Disk	Min. 128 GB
OS	Windows 7 (64 Bit) with SP1, Windows 8.1 (64 Bit), Windows 10 (64 Bit)
Display	Resolution: min. 1680 x 1050 pixels   <b>recommended 1920 x 1080 pixels</b>
LAN	1 Gbit/s

### Remote Desktop Session Host (Terminal Server)

CPU	Intel® Xeon® Gold or Platinum Processor with highest possible CPU clock rate and number of CPU cores (2.8 – 4.2 GHz recommended).
RAM	32 GB (up to 12 concurrent users, each additional user requires 2 GB RAM added to terminal server)
Disk	Min. 128 GB
OS	Windows Server 2016, Windows Server 2019
LAN	10 Gbit/s



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