




Axon Interview Hardware and Software Specifications

Axon Interview
Release Date: December, 2020
Document Revision: F

Microsoft, Azure, Windows, Windows Server, Internet Explorer, and Excel are trademarks of Microsoft Corporation registered in the US and other countries.

 Axon, Axon Evidence, and Axon Interview are trademarks of Axon Enterprise, Inc., some of which are registered in the US and other countries. For more information, visit www.axon.com/legal.

All rights reserved. ©2020 Axon Enterprise, Inc.

Table of Contents

System Requirements and Firewall Permissions	4
Server Hardware Requirements	4
Server Installation Notes.....	4
Server Virtualization Notes.....	4
Client Hardware Requirements.....	5
Firewall Ports	6

System Requirements and Firewall Permissions

Axon Interview is the world's leading digital video interview system. This guide provides information on the server and client hardware requirements and the firewall ports that must be open to use Axon Interview.

Server Hardware Requirements

The following table outlines the hardware and software requirements for the server portion of an Axon Interview installation. This is the system that captures and uploads the interview sessions.

	Recording Server Lite (Recommended)	Recording Server Pro (Recommended)
Number of Cameras (Max)	10 Cameras	20 Cameras
Processor	1x Intel Xeon (4-Core) E-2224 @ 3.4 GHz 8M cache – 71W	1x Intel Xeon (8-core) SILVER 4208 @ 2.1 GHz 11M cache – 85W
Memory	16 GB RAM	32 GB RAM ECC
Internal Drive	1TB Storage (2 x 1TB in RAID 1)	4TB Storage (2 x 4TB in RAID 1)
Network	Gigabit Ethernet	Gigabit Ethernet
Operating System	Microsoft Windows Server 2019 Essentials Edition	Microsoft Windows Server 2019 Standard Edition

Server Installation Notes

Microsoft .NET 3.5 and 4.7.2 Framework must be installed.

Starting with Axon Interview v4.4, only .NET 4.7.2 is required. Axon Interview will automatically install .NET 4.7.2 if it does not exist.

Certain firewall ports and rules are automatically set by the installer application during Axon Interview installations. See the [Firewall Ports section](#) for more details.

Server Virtualization Notes

If running Axon Interview in a virtualized environment, ensure that it is run on a Type-1 Hypervisor, such as Microsoft Hyper-V, VMWare ESXI, and Citrix XenServer. The hypervisor solution used must be capable of supporting a virtualized instance of Windows Server 2012

or later. Ensure that the resources allocated to the Virtual Machine (VM) aligns with the hardware requirements listed above, with at least 4 vCPUs allocated to the VM. Allocated storage should also align with physical resource requirements to ensure proper recording buffer functionality.

When virtualizing the servers, it is essential to ensure that the Primary and Secondary recording server are deployed on independent physical hardware. Additionally, the servers hosting the Axon Interview VM should be installed within the building that the cameras are located. A redundant secondary server may be hosted remotely, if network bandwidth and stability allow. Please work with your Axon representative to determine if your environment is suitable before pursuing this type of deployment.

The Axon Interview Recording Server requires a USB Key for licensing. As a result, the selected hypervisor must support USB Passthrough, or USB-over-IP technology, such as AnywhereUSB, must be available.

Client Hardware Requirements

The following table outlines the hardware and software requirements for Axon Interview Client. The client is used to access and view interview sessions on the touch panel display or central interview kiosk.

	Minimum	Recommended
Processor	Intel Celeron J1900 (2 GHz)	Intel Core i3-3250 (3.5 GHz)
Memory	4 GB RAM	8 GB RAM
Internal Drive¹	60 GB HDD	128 GB SSD
Network	10/100 Ethernet	Gigabit Ethernet
Video	Integrated Graphics	Integrated Graphics
Monitor	XGA (1024 x 768)	WXGA (1280x800)
Operating System	Windows 10 IoT	Windows 10

¹ Relates to storage for Axon Interview Server and Operating System. It does not include recommended drive for evidence storage.

Firewall Ports

The following ports are used by Axon Interview and related hardware and software. The firewall rules are automatically set by the installer application during Axon Interview installations.

Note: Ping must be allowed between servers and devices.

Port	Usage
TCP 80	<ul style="list-style-type: none"> Axis API Wowza service – Axon Interview Server
TCP 443	<ul style="list-style-type: none"> Axis API Axon Evidence – Axon Interview Server Axon Evidence – Buffer Extractor Tool
TCP 445	<ul style="list-style-type: none"> Direct Hosted Server Message Block (SMB)
TCP 554	<ul style="list-style-type: none"> Axis devices – Axon Interview Server Axon Interview Server – Axon Interview Client Axon Interview Server – Live Streaming application
TCP 1935	<ul style="list-style-type: none"> Real Time Streaming Protocol (RSTP) Axon Interview Server – Axon Interview Client Axon Interview Server – Live Streaming application
TCP 8086	<ul style="list-style-type: none"> Wowza service – Axon Interview Server Wowza Live Record
TCP 8087	<ul style="list-style-type: none"> Wowza service – Axon Interview Server Wowza Streaming Engine
TCP 8090	<ul style="list-style-type: none"> Axon Interview Client – Axon Interview Server
TCP 8091	<ul style="list-style-type: none"> Axon Interview Client configuration Axon Interview Client – Axon Interview Server
TCP 8092	<ul style="list-style-type: none"> Live Streaming application – Axon Interview Server
TCP 8093	<ul style="list-style-type: none"> Buffer Extractor Tool – Axon Interview Server
TCP 8094	<ul style="list-style-type: none"> Axon Interview Client – Axon Interview Server Redundant Server
TCP 8530	<ul style="list-style-type: none"> Axon Interview server – Axon Updater Agent Axon Interview Client – Axon Updater Agent Axon Live Streaming – Axon Updater Agent Axon Buffer Extractor Tool – Axon Updater Agent
TCP 8540	<ul style="list-style-type: none"> Axon Server Updater – Axon Interview Server
UDP 8881	<ul style="list-style-type: none"> Axon Commander Beacon – Axon Interview Server

Port	Usage
TCP 8896	<ul style="list-style-type: none">• Axon Interview Server – Transporter (V1) Protocol
TCP 8988	<ul style="list-style-type: none">• Axis I/O module• Axis devices – Axon Interview Server
TCP 8989	<ul style="list-style-type: none">• Motion Detector sensor• Axis devices – Axon Interview Server
TCP 18896	<ul style="list-style-type: none">• Axon Interview Server – Transporter (V2) Protocol