

Midmark® IQecg, Midmark® Digital ECG, Midmark® Digital Spirometer, Midmark IQvitals® Zone™, Midmark® Digital Vital Signs Device, and Midmark® 800 Digital Vital Signs Device

Software versions:

- Midmark IQecg v10.3.1 or later (Midmark Digital ECG supports the 60601-2-25 Standard in v10.3.1 or later)
- Midmark Digital Spirometer v11.1.0 or later
- Midmark IQvitals v11.2.0 or later (*Midmark® Digital Vital Signs Device, Midmark IQvitals® Zone™, and Midmark® 800 Digital Vital Signs Device*)

*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Hardware Requirements	Windows compatible personal computer
CPU	Intel Core i5 8th generation (or AMD equivalent) or newer
Disk	>25 GB free disk space after OS is installed.
Memory	Minimum 8 GB of system memory
Input/Output Ports Per Device	USB Connectivity: To use Midmark® IQecg, Midmark® Digital ECG, Midmark® Digital Spirometer, Midmark IQvitals® Zone™, Midmark® Digital Vital Signs Device, and Midmark® 800 Digital Vital Signs Device with the IQvitals, IQspiro, or IQecg plugin, the local computer must have one available USB 2.0 or later port for connection of the device. Thin-client and virtual environments: The supported Midmark device must be connected to an available USB 2.0 or later port on the local computer. The applicable IQpath software must be installed on the local computer to redirect device communication to the corresponding plugin installed in the virtual environment. Refer to the applicable device operating manual for device-specific connection and cable requirements. IQecg v10.3.0 or later no longer supports serial devices (COM ports). Additional USB ports are needed for keyboard, mouse, printer, flash card reader, etc.
Pointing Device	Windows compatible mouse
Keyboard	Windows compatible keyboard
Display	1024x768 or higher resolutions for the real-time acquisition screen. 16-bit color. Wide-screen (1680x1050) is highly recommended.
Printer	Microsoft Windows compatible inkjet or laser printer

Surge Protector	One (1) hospital-grade power surge protector for the computer system.
Additional Requirements	Note: Only IQvitals Zone firmware v0.14.4 or later is compatible with IQvitals plugin v11.1.0 and later.

Note:

The above are the minimum computer/system requirements for operating the Midmark products stated. A faster CPU, additional hardware and/or more memory may be needed, depending on the IT environment.

*The Operating System is a hard requirement. Installing or operating the above Midmark software product(s) on Windows operating systems other than those listed is not recommended or supported.

Midmark IQmanager®

Software versions:

- Midmark IQmanager v10.2.3 or later

*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Software Requirements	Microsoft .NET Framework 4.6.2 (included with installer) C++ Redistributable 2019 (included with installer)
Database	Microsoft SQL Server 2022 or later (SQL Server 2022 Express is included with installer) >10 GB of free disk space for the database
Hardware Requirements	Windows compatible personal computer
CPU	Intel Core i5 8th generation (or AMD equivalent) or newer
Disk	>25 GB free disk space after OS is installed
Memory	Minimum 8 GB of system memory
Pointing Device	Windows compatible mouse
Keyboard	Windows compatible keyboard
Display	1024x768 or higher resolutions for the real-time acquisition screen. 16-bit color. Wide-screen (1680x1050) is highly recommended.
Printer	Microsoft Windows compatible inkjet or laser printer

Note:

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Midmark diagnostic devices may have additional computer hardware requirements. Please refer to the operation manual or other sections of this document for the specific Midmark device.

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Midmark Connect for Cerner (MCC)

Software versions:

- Midmark Connect for Cerner v10.3.0 or later

Server Requirements	
Hardware Requirements	Intel Core i5 8th generation (or AMD equivalent) or newer Minimum 8 GB of system memory
*Operating Systems (OS)	Windows Server 2022 or Windows Server 2025
Software Requirements	IIS 7.5 or higher, .NET 8
Database	Microsoft SQL Server 2022 or later Standard Edition >10 GB of free disk space for the database
Client Requirements	
*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Software Requirements	Microsoft .NET Framework 4.6.2
HL7 Interface Engine Requirement	
Mirth	Mirth® Connect v3.8.1 or higher
Qvera	QIE® Standard v4.0.47 or higher

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Midmark diagnostic devices may have additional computer hardware requirements. Please refer to the operation manual or other sections of this document for the specific Midmark device.

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Midmark Connect for Altera (MCA)

Software versions:

- Midmark Connect for Altera v10.1.0 or later

Server Requirements	
Hardware Requirements	Intel Core i5 8th generation (or AMD equivalent) or newer Minimum 8 GB of system memory
*Operating Systems (OS)	Windows Server 2022 or Windows Server 2025
Software Requirements	IIS 7.0 or higher, Microsoft .NET Framework 4.6.2
Database	Microsoft SQL Server 2019 or later >10 GB of free disk space for the database
Client Requirements	
*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Software Requirements	Microsoft Edge® 106 or later or Google Chrome™ 106 or later, Microsoft .NET Framework 4.6.2, Altera™ TouchWorks® EHR Client software.

Note:

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Midmark diagnostic devices may have additional computer hardware requirements. Please refer to the operation manual or other sections of this document for the specific Midmark device.

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IQiC

Software versions:

- IQiC v10.1.0 or later

*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Hardware Requirements	Windows compatible personal computer
CPU	Intel Core i5 8th generation (or AMD equivalent) or newer
Disk	>25 GB of free disk space after OS is installed
Memory	Minimum 8 GB of system memory
Pointing Device	Windows compatible mouse
Keyboard	Windows compatible keyboard
Display	1024x768 or higher resolutions for the real-time acquisition screen. 16-bit color. Wide-screen (1680x1050) is highly recommended.
Optical Drive	N/A

Note:

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Midmark diagnostic devices may have additional computer hardware requirements. Please refer to the operation manual or other sections of this document for the specific Midmark device.

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Midmark Connect for Epic® (MCE and IQiE)

Software versions:

- Midmark Connect for Epic (MDL Only) v12.3.1 or later
- Midmark Connect for Epic (MDL PDF) v12.1.1 or later
- IQiE v10.1.1 or later

Server Requirements	
Hardware Requirements	Intel Core i5 8th generation (or AMD equivalent) or newer Minimum 8 GB of system memory
*Operating Systems (OS)	Windows Server 2022 or Windows Server 2025
Software Requirements	IIS 7.5 or higher, .NET 8, Microsoft .NET Framework 4.6.2 HTTPS (Signed SSL Certificate)
Client Requirements	
*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Software Requirements	Microsoft .NET Framework 4.6.2 Microsoft Edge® 93 or later Google Chrome™ browser 93 or later Epic® Hyperdrive® EHR and select Epic® Hyperspace® Client software February 2022 or later, contact Epic® for more details. Note: Microsoft Remote Desktop Services (RDS) and Remote Desktop Protocol (RDP) are not currently supported.
PDF Generation Requirement	
Hardware Requirements	Intel Core i5 8th generation (or AMD equivalent) or newer Minimum 8 GB of system memory
*Operating Systems (OS)	Windows Server 2022 or Windows Server 2025
Software Requirements	IIS 7.5 or higher, Microsoft .NET 8, Microsoft .NET Framework 4.6.2

Performance Expectations	Midmark Connect for Epic supports the use of multiple PDF Generation Servers. Enabling more PDF Servers will increase the performance of the system. The table below is based on performance testing using a computer that meets the above-mentioned system requirements and utilizing a 30-second PDF return cutoff.		
	# of PDF Servers	Max Simultaneous Requests	Max Asynchronous Requests per min
	1	10	45

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IQpath™

Install the IQpath product applicable to the virtual environment:

- IQpath for RDP v3.2.0 or later
- IQpath for Citrix v3.2.0 or later
- IQpath for VMware v3.2.0 or later

Server Requirements		
*Operating Systems (OS)	Windows Server 2022 or Windows Server 2025	
Software Requirements	Virtual environment	Server-side requirement
	Microsoft RDS	Microsoft Remote Desktop Services (RDS) on Windows Server 2022 or Windows Server 2025
	Citrix	Citrix Virtual Apps and Desktops 7 2507 LTSR or later
	OmniSSA Horizon	OmniSSA Horizon Connection Server v8.18.0 or later
Client Requirements		
*Operating Systems (OS)	Windows 11 Professional or Enterprise	
Software Requirements	Virtual environment	Client-side requirement
	Microsoft RDS	Microsoft Remote Desktop Connection (mstsc.exe) included with a supported Windows 11 Professional or Enterprise installation
	Citrix	Citrix Workspace app 2603.10 for Windows or later Note: Only the 32-bit version is supported
	OmniSSA Horizon	OmniSSA Horizon Client for Windows v8.18.0 or later (former VMware Horizon® Client)
Hardware Requirements	Desktop PCs (full client), laptops, notebooks, tablet computers, or thin client terminals (for IQpath, the computer needs enough free space to install the required software).	

Input/Output Ports Per Device	USB Connectivity: To use Midmark® IQecg, Midmark® Digital ECG, Midmark® Digital Spirometer, Midmark IQvitals® Zone™, Midmark® Digital Vital Signs Device, and Midmark® 800 Digital Vital Signs Device with the IQvitals, IQspiro, or IQecg plugin, the local computer must have one available USB 2.0 or later port for connection of the device. Thin-client and virtual environments: The supported Midmark device must be connected to an available USB 2.0 or later port on the local computer. The applicable IQpath software must be installed on the local computer to redirect device communication to the corresponding plugin installed in the virtual environment. Refer to the applicable device operating manual for device-specific connection and cable requirements. IQecg v10.3.0 or later no longer supports serial devices (COM ports). Additional USB ports are needed for keyboard, mouse, printer, flash card reader, etc.
Network Bandwidth	See 61-78-0001 Thin Client Manual IQpath Section II-A and II-C for more details.
Midmark Device Hardware	See 61-78-0001 Thin Client Manual IQpath Section II-A for more details. IQecg v10.3.0 or later no longer supports serial devices (COM ports). Midmark Digital Spirometer v11.1 no longer supports serial devices (COM ports).

Note:

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Since network structures, topologies, and platforms differ between thin client deployments, the following requirements may vary slightly. Midmark strongly recommends setting up a validated pilot project in a lab environment before deploying in a production setting.

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*For server environments with multiple users/sessions, please ensure that an adequate amount of memory is allocated per user to prevent potential performance issues.

Midmark EMR Installers

Software versions:

- Midmark EMR Installers v10.3.1 or later

*Operating Systems (OS)	Windows 11 Professional or Enterprise Windows Server 2022 or Windows Server 2025
Software Requirements	Microsoft .NET Framework 4.6.2 (included with installer) C++ Redistributable 2019 (included with installer)
Database	Microsoft SQL Server 2022 or later (SQL Server 2022 Express is included with installer) >10 GB of free disk space for the database
Hardware Requirements	Windows compatible personal computer
CPU	Intel Core i5 8th generation (or AMD equivalent) or newer
Disk	>25 GB free disk space after OS is installed
Memory	Minimum 8 GB of system memory
Input/Output Ports Per Device	USB Connectivity: To use Midmark® IQecg, Midmark® Digital ECG, Midmark® Digital Spirometer, Midmark IQvitals® Zone™, Midmark® Digital Vital Signs Device, and Midmark® 800 Digital Vital Signs Device with the IQvitals, IQspiro, or IQecg plugin, the local computer must have one available USB 2.0 or later port for connection of the device. Note: IQecg v10.3.0 or later no longer supports serial devices (COM ports). Additional USB ports are needed for keyboard, mouse, printer, flash card reader, etc.
Pointing Device	Windows compatible mouse
Keyboard	Windows compatible keyboard
Display	1024x768 or higher resolutions for the real-time acquisition screen. 16-bit color. Wide-screen (1680x1050) is highly recommended.
Printer	Microsoft Windows compatible inkjet or laser printer

Note:

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Midmark diagnostic devices may have additional computer hardware requirements. Please refer to the operation manual or other sections of this document for the specific Midmark device.

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