

## Atellica® Connectivity Manager

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### Software Version 1.1.2 Release Notes

In an ongoing effort to keep customers informed, Siemens Healthineers is introducing system software version 1.1.2 for Atellica® Connectivity Manager (Atellica CM). Atellica CM facilitates the delivery of Smart Remote Services (SRS) to remotely diagnose, troubleshoot, and support Siemens Healthineers systems and middleware products. Atellica CM is a software-only product.

Ensure all operators are aware of this information. Place this information with the operator's guide. Ensure all operators review and understand the information presented in this document. Discuss any questions or concerns regarding the information in this document with the local technical support provider.

[www.siemens.com/healthineers](http://www.siemens.com/healthineers)

**NOTE:** All Siemens Healthineers representatives are committed to maintaining patient data confidentiality and are trained to comply with regional procedures for handling personally identifiable information (PII) and Electronic Protected Health Information (ePHI).

### System Version 1.1.2 Highlights

- High Availability  
An optional installation for Atellica CM is on a VM in a high availability cluster for fail over use.
- Improvements to the optional Data Router

For more information about the Atellica CM software version 1.1.2, refer to the following documents available in the Siemens Document Library ([doclib.siemens-healthineers.com/home](http://doclib.siemens-healthineers.com/home)):

- Atellica Connectivity Manager Data Router Interface Guide
- Atellica Connectivity Manager High Availability Guide
- Atellica Connectivity Manager Operator's Guide
- Atellica Connectivity Manager Version 1 Security Whitepaper

## Certified Devices for Use

The following instruments have been certified by Siemens Healthineers for use with Atellica CM.

ADVIA® 1800 Chemistry System	Atellica® Operator Tablet	Dimension RxL MAX® HM clinical chemistry system
ADVIA® 2400 Chemistry System	Atellica® Sample Handler Connect Analyzer	Dimension® Xpand® clinical chemistry system
ADVIA® 2120/2120i Hematology Systems	Atellica® Sample Handler Prime	Dimension® Xpand® HM clinical chemistry system
ADVIA Centaur® CP Immunoassay System	Atellica® Sample Handler Additional	Dimension Xpand® Plus clinical chemistry system
ADVIA Centaur® XP Immunoassay System	Atellica® UAS 800 Analyzer	Dimension Xpand® Plus HM
ADVIA Centaur® XPT Immunoassay System	Atellica® Data Manager	Dimension Vista® 500 Intelligent Lab System
ADVIA® Chemistry® XPT Immunoassay System	Atellica® Inventory Manager	Dimension Vista® 1500 Intelligent Lab System
ADVIA® LabCell® (Remote Desktop)	Atellica® Process Manager	Dimension Vista® 1000T Intelligent Lab System
Aptio® Systems (s/n APT-, s/n AP2-)	BN ProSpec® System	Dimension Vista® 3000T Intelligent Lab System
Atellica® NEPH 630 System	Centralink® Data Management System	IMMULITE® 2000 Immunoassay System
Atellica® COAG 360 System	CLINITEK® AUWi Automated Urinalysis System	IMMULITE® 2000 XPi Immunoassay System
Atellica® CH 930 Analyzer	Dimension® EXL™ with LM Integrated Chemistry System	StreamLAB® Automation Solutions
Atellica® IM 1300 Analyzer	Dimension® EXL™ 200 clinical chemistry system	VersaCell® System
Atellica® 1500 Automated Urinalysis System	Dimension® RxL clinical chemistry system	VersaCell® X3 Solution
Atellica® IM 1600 Analyzer	Dimension® RxL HM clinical chemistry system	
Atellica® Direct Load System	Dimension® RxL MAX® clinical chemistry system	

## Installation Requirements

For more information about installation and security, see the Atellica CM Security Whitepaper available on Document Library.

### Host System Requirements

The Atellica CM is a software solution hosted on a customer's physical or virtual system. The host must be dedicated to only the Atellica CM software. The host can be stand-alone or joined to a domain. The host requires firewalled high-speed (25 MBs or higher) Internet access. Modems are not supported.

Local access, either direct or using a remote desktop, is required to install and configure the Atellica CM software, as well as on-site troubleshooting by Siemens Technical Support.

To effectively perform remote monitoring, the Atellica CM must maintain a connection to the Internet. The operator must configure the power settings profile of the host computer to prevent the system from entering sleep mode during inactivity.

### Windows Firewall and Port Configuration

Atellica CM installation requires that the Windows Firewall service is running and the required ports are configured.

The Windows Firewall service must be running for the Atellica CM to successfully install. If the firewall service is not running, the installation software exits and the software will not install.

Ensure the firewall configuration allows communication to and from Atellica CM on the required ports. A list of the required ports are provided in the Atellica CM Security Whitepaper.

### Antivirus and Anti-Malware Software

During the Atellica CM installation, the antivirus or anti-malware software on your system can prevent the Atellica CM installer program from completing successfully. Temporarily stop the antivirus and anti-malware software before the installation. When the installation completes, the operator must restart the antivirus and anti-malware software.

### Remote Ctrl-Alt-Del Sequence Capability

Occasionally Siemens support personnel use the Ctrl-Alt-Del sequence. The operator must enable the Secure Attention Sequence (SAS) Group Policy to allow this sequence. The SAS group policy is updated using the local group policy editor.

### Log File Viewer

Install a robust log viewer application such as Notepad++, to review system and application log files.

### PowerShell

Before installing version 1.1.1, ensure Microsoft PowerShell version 5.x or later is installed and enabled.

## Global Sign

The Atellica CM installer requires access to the following security certificates:

- QuoVadis Root CA 2 G3
- GlobalSign Root CA - R3

If the certificates are not available on the host system, access to Globalsign.com must be available, otherwise the Atellica CM installation will fail with the error message: Failed Signature Verification.

## NT Server Account\i2i Server

The i2i Server service runs under the virtual account NT SERVICE\I2IServer. This virtual account must be part of the local Administrators group in order for the service to function properly.

## System Requirements

Siemens Healthineers recommends server-class hardware and an operating system to maximize uptime of Atellica CM. All system requirements apply to physical or virtual environments.

Description	Low Volume	High Volume	Notes
Instruments	1-32	33-64	
Operating System	64-bit Windows 10 Professional 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2019	64-bit Windows 10 Professional 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2019	Set both System Locale and Language to English (United States).
Memory (RAM)	4 GB minimum	4 GB minimum	–
CPU	64-bit 4-core 3 GHz, or better	64-bit 4-core 3 GHz, or better	–
Networking	1 GB Ethernet NIC Card minimum	1 GB Ethernet NIC Card minimum	Depending on the network configuration, more Network Interface Cards (NICs) can be required. Wireless connections are not recommended.

Description	Low Volume	High Volume	Notes
Disk Space	Minimum: 500 GB Available	Minimum: 700 GB Available	Disk space requirements vary based upon the connections to the Atellica CM. The minimum requirements for installing the system is 500 MB. During system operation, the system uses additional disk space for logging and SRS operations.
Third-Party Software <b>Note:</b> Third party software must be installed prior to installing the Atellica CM system.	Oracle JRE 1.8 64-bit build 162 or higher builds	Oracle JRE 1.8 64-bit build 162 or higher builds	Atellica CM supports JRE version 1.8 builds 162 and higher in JRE version 1.8. Atellica CM does not support JRE 1.9 or higher versions.
	Microsoft .NET Version 4.7.2 or higher	Microsoft .NET Version 4.7.2 or higher	.Net version 4.5.2 allows the Atellica CM installer to run. During the Atellica CM installation, .Net 4.7.2 is installed.
Data Router	Google Chrome	Google Chrome	When the Data Router is installed and enabled, Google Chrome is required to access the Data Router user interface.

## Siemens Accounts

There are 2 Atellica CM service accounts:

- Level2
- syngoLab

Do not change passwords or modify these accounts. Siemens Service maintains the passwords for these accounts. These accounts are critical to the operation of the Atellica CM.

Level2 and syngolab (or the users group) must have the **allow log on locally group** policy enabled. Check the log on policy by navigating to Windows Settings> Security Settings > User Rights Assignment.

## Host Network Configuration Information

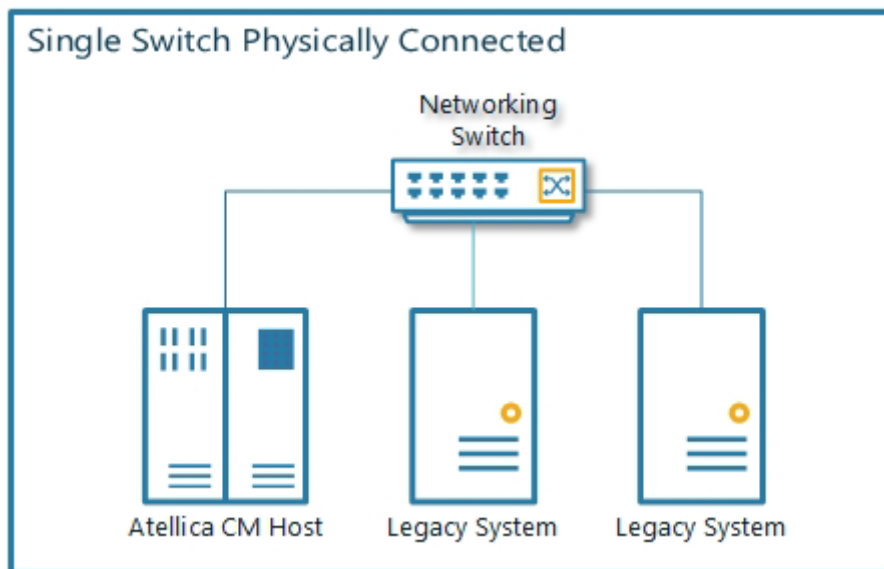
Use a Gigabit Ethernet to connect devices to Atellica CM.

The IP address for NICs that communicate to Siemens devices must use IPv4 protocol and a static IP address.

Siemens Healthineers recommends working with Siemens Service personnel to design the network configuration. The following are examples of network configurations:

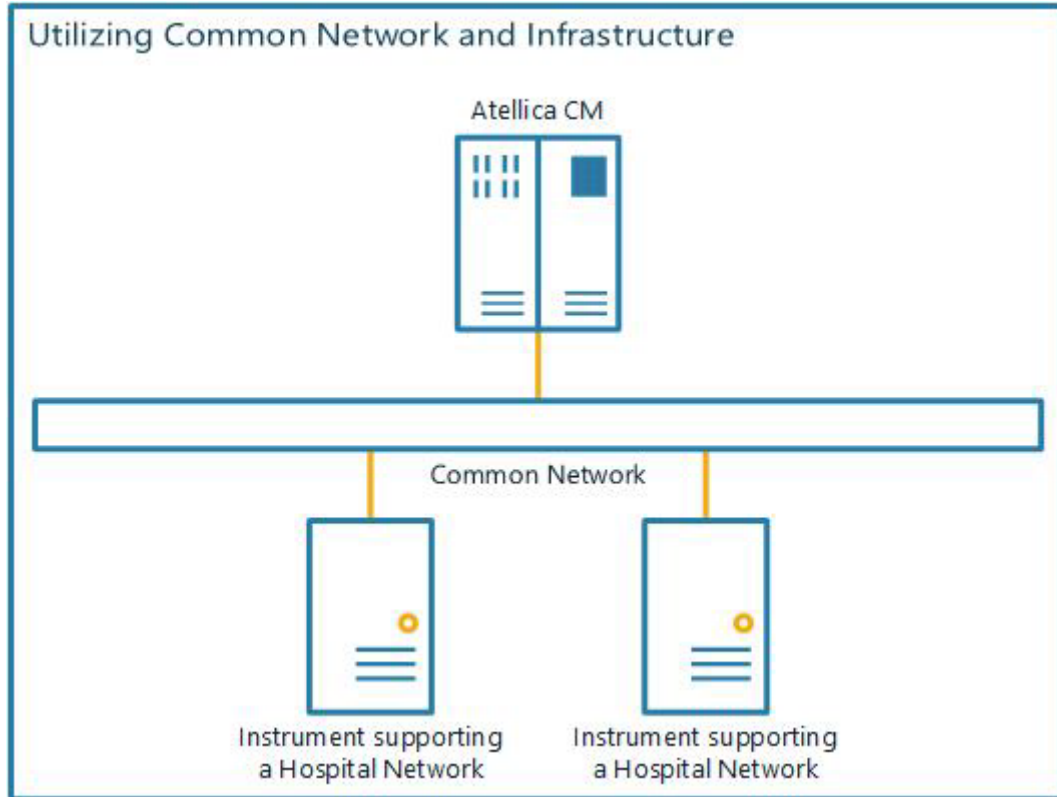
### Single Networking Switch

Physical connections between the host and the systems.



## Hospital Wide Area Networking

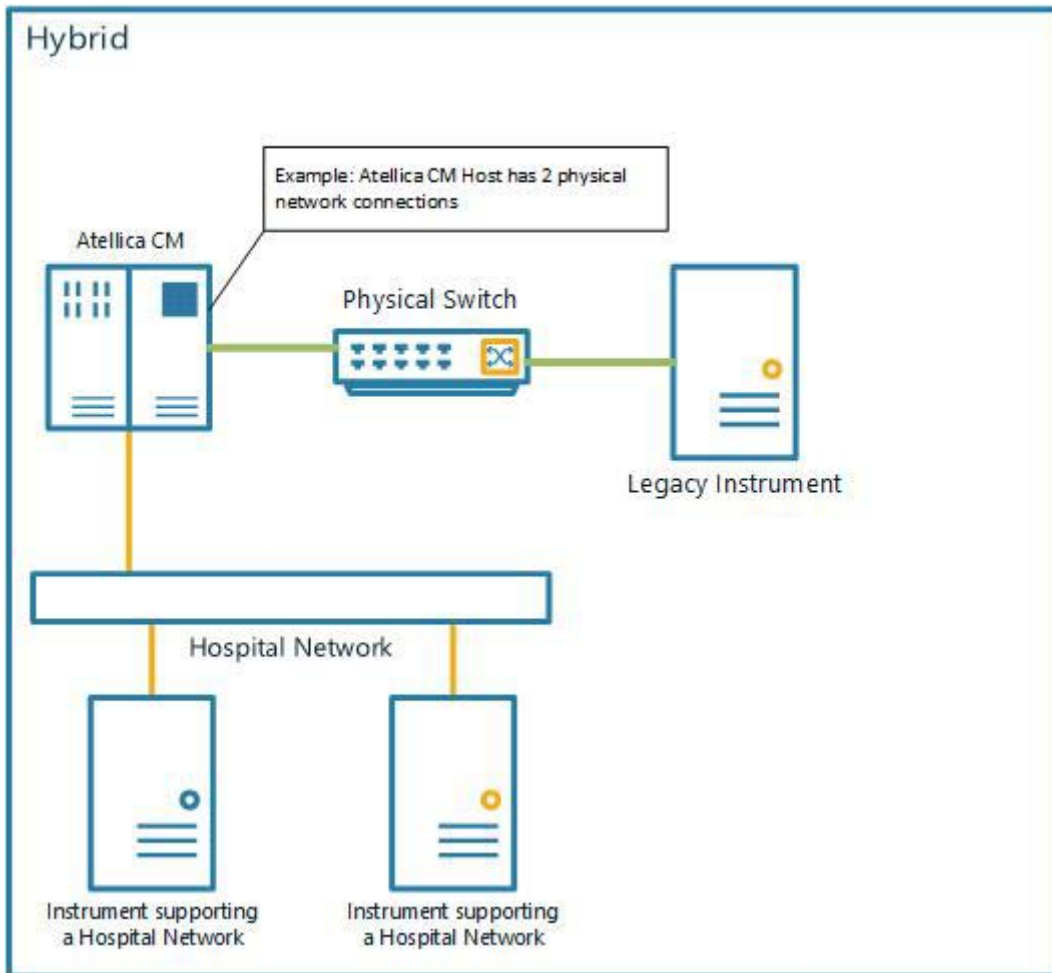
Virtual Local Area Networks (VLANs) are recommended when sharing across network infrastructure.



## Hybrid Networking

Legacy systems that do not support direct connection to a common network require the host Atellica CM computer to have multiple physical network connections.

**NOTE:** If Atellica CM connects to multiple devices that are behind a router using Network Address Translation (NAT), each device must have an IP address outside of the router.





## Known Issues

These are known issues for the Atellica CM.

Issue/Description	Additional Information
Radtray.exe has stopped working message displays.	Radtray.exe was launched under a user account that does not have administrator privileges.
Creating multiple connections with the AptioAgent connector within the Data Router requires different ports, regardless of the IP Address.	One Data Router cannot be used to receive data from multiple tracks (multiple AptioAgent connectors). When connecting multiple tracks with the Data Router AptioAgent connector, use multiple Data Router instances.
Remote software delivery is blocked.	Software delivery is blocked when one or more non-administrative users are logged into the Atellica CM gateway. When non-administrator users are logged out, the gateway syncs the catalog and retrieves the software updates.
Disconnect messages may be sent in high-throughput track configurations.	When processing information in high-throughput track configuration, the Aptio Connector within the data router may need to be adjusted to prevent disconnect messages being sent to subscribers. Increase the Aptio Connector's statusIntervalMinutes parameter. Refer to the <i>Atellica Connectivity Manager Data Router Interface Guide, Configuring Connectors</i> section, for more information.

## Trademark Information

ADVIA, ADVIA Centaur, Aptio, Atellica, BN ProSpec, Centralink, Dimension, Dimension EXL, Dimension Vista, IMMULITE, RxL Max, Smart Remote Services, StreamLab, and Xpand are trademarks of Siemens Healthineers.

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