

PerformanceBridge Focal Point

Technical data sheet

PerformanceBridge Focal Point is a scalable, web-based solution that monitors operational and system health for Philips devices* that reside on both Philips and customer-supplied networks (the list of devices Focal Point supports is listed in “[Browser support](#)” on page 2).

Focal Point monitors patient monitoring hardware and software by aggregating, processing, and storing real-time and historical inventory, statistical, and alert information.

Information and alerts Focal Point generates are available to you and Philips Remote Support to monitor and troubleshoot the Philips Patient Monitoring solution both on-site and remotely.

You can deploy Focal Point on a Philips-supplied hardware server or on a virtual server (using a Philips-supplied virtual software image).

Focal Point is not a medical product; it does not contain, track, or collect patient data.

For more information on the following Focal Point features, capabilities, and requirements, see the following sections:

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*.The term **device** refers to an IP addressable network node, which is a configured component of a Philips Patient Monitoring System/Solution.

Focal Point benefits

Focal Point management software offers the following features and benefits to help you manage your clinical network:

- Intuitive, web-based user interface with:
 - Dashboard summary offering an “at a glance” health status and system-level view
 - Inventory and System Health - Focal Point provides a view of all the devices it manages and provides a color-coded status for each device.
 - Threshold-based Alerts provide you detailed information related to an issue a managed device experiences, along with potential causes and troubleshooting ideas.
 - KPIs and performance views - KPIs give you an overall view of your system and network performance.
 - Reports - Focal Point gives you graphical system reports you can use for troubleshooting issues and verifying device performance.
 - System Auditing - Focal Point displays detailed information for each managed device in the Alerts and Inventory views, such as: IP address, MAC address, device type, and hardware/software revisions.
- E-mail alert notification
- Certificate Authority server - Focal Point can also function as an SSL Certificate Authority (CA) server for other Philips devices
- Centralized management of OS updates - You can use Focal Point to manage the distribution of OS patches to Philips systems
- Automatic distribution of Focal Point application patches
- IntelliVue Support Service (IVSS) to access enhanced monitor inventory
- Integration with Network Management Systems (NMS) - export Focal Point data to your NMS
- Access to Philips Remote Services
- Capacity Planning - Inventory views provide general and performance information for managed devices that aid in verifying system performance and for planning future expansion.

Philips remote connectivity and services

Philips remote connectivity and services enable our customers to collaboratively work with Philips to:

- Address issues immediately and effectively
- Manage OS updates for on-site PIC iX servers
- Optimize utilization of medical devices and applications
- Gain access to a wide range of Philips expertise
- Ability to apply Focal Point system application patches remotely

* Focal Point is not a medical product and collects no medical or patient data.

Device support

Focal Point supports the following Philips products:

- PIIC iX B.02.14 [and higher], PIC iX C.02, C.03, and 4.0 (and all associated IntelliVue MX, MP, and MX40 series monitors)
- IntelliBridge Enterprise B.11 [and higher]
- CareEvent C.02 [and higher]
- Smart-hopping wireless
- All currently supported Philips-supplied routers, switches, and firewalls.

Browser support

Focal Point supports the following web browsers and versions (minimum browser version listed with browser name):

- Google Chrome version 80 (recommended)
- Microsoft Edge version 80
- Mozilla Firefox version 74

Virtualization support

Virtualization is supported for Focal Point A.02

Hypervisor Software	Hypervisor OS version	Operating System and Database Software ³	RAM	Processors Virtual CPUs ²
VMware ESXi	6.5, 6.7, 7.0	Windows Server 2019 for Embedded Systems Standard Edition-bit with SQL Server Standard Edition 2019	16 GB ¹	4 Virtual
Microsoft Hyper-V Server	2016 and 2019			
Nutanix AHV	5.10.4 and higher			

1- When using the Microsoft WSUS OS patching service, the Focal Point system requires 32 GB of RAM.

2-The minimum required speed for each Virtual CPUs is 2.2 GHz.

3- Windows Server 2016 for Embedded Systems Standard Edition 64-bit with SQL Server Standard Edition 2016 SP2 is supported for existing deployments.

Virtual Server Storage Requirements

		Days of Retention			
		15	30	60	90
Number of Devices	100	110 GB	150 GB	200 GB	250 GB
	500	200 GB	300 GB	500 GB	700 GB
	1000	300 GB	500 GB	900 GB	1.6 TB
	2000	600 GB	1.0 TB	1.6 TB	2.5 TB
	3000	800 GB	1.6 TB	2.5 TB	3.0 TB
	4000	1.1 TB	2.0 TB	3.0 TB	4.0 TB

Note: Philips installations of Focal Point include two Client Access Licenses (CAL) for both the Microsoft Server and SQL Server. If you plan to configure additional users on Focal Point or include the Focal Point users in your Active Directory structure, make sure you have sufficient Microsoft Windows and SQL Server CALs to comply with Microsoft licensing requirements.

Hardware support

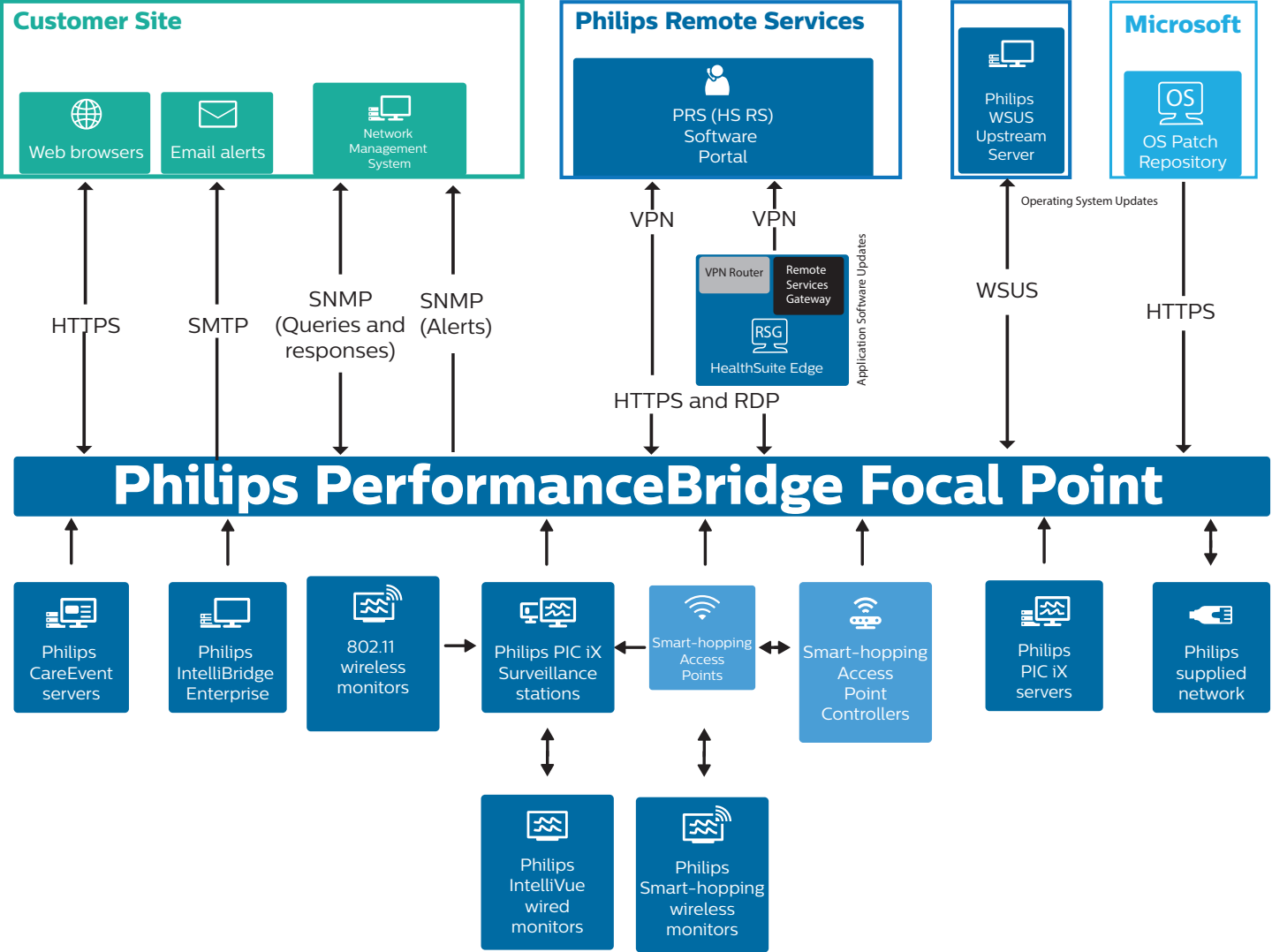
The following Philips-supplied hardware is supported for Focal Point A.02 installations

Model	Operating System	Memory	Storage	CPU	Managed Device Support	Database Retention
HPE Proliant DL360 Server	Windows Server 2019 for Embedded Systems Standard Edition 64-bit with SQL Server Standard Edition 2019	32 GB RAM	1.7 TB RAID Array	Ten core	Up to 2500 Managed Devices	Up to 90 days (15 day minimum)

Focal Point A.02 Supported Devices and Versions

Device Type	Brand and Model	Version
Network Router	Cisco Catalyst Routers 3850 12-S E and WS-C3750X-12S	
Network Switch	HP/Aruba 2530 (J9772, 10/100 Base-T) HP/Aruba 2530 (J9773, 10/100/1000 Base T)	
Network Switch	Cisco Catalyst Switches WS-C2960-24TT, WS-C2960-24TC, WS-C2960-24PC-S WS-C3560-24TS, WS-C3750V2-24FS-S, WS-C2960XR-24TS-I, WS-C2960X-24PS-L, WSC2960+24PC-S, WSC2960+24TC-S	
Network Firewall	Cisco ASA-5506-X	
Network Firewall	Juniper SRX100	
PIIC iX Server		B.02.14 (and higher) with limited functionality
PIC iX Server		C.0, with limited functionality
PIC iX Server		C.02 (and higher)
Smart-hopping Access Point		
Smart-hopping Access Point Controller		
CareEvent Servers		C.02 and higher
Intelligent Event Management Server		11.04 SP2 and higher
IntelliBridge Enterprise (IBE)		11.0 and higher
Intelligent Patient Monitors	MP Series - MP2, MP5, MP5T, MP5SC, MP20, MP30, MP40, MP50, MP60, MP70, MP80 MP90 MX Series - MX700, MX800, MX400, MX450, MX500, MX550 MX750, MX850, MX600 X Series - X2, X3	
Patient-Worn Monitors	MX40	

Philips PerformanceBridge Focal Point architecture





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