



HP E-PCM Plus Network Management Software Series

Data sheet

Product overview

HP E-PCM Plus Network Management is a Microsoft® Windows®-based network management platform that enables mapping, configuration, and monitoring. HP PCM Plus provides security and extensibility for small to large networks with remote sites. Network-wide management control allows users to securely add, customize, and restrict network management access. With HP security and wireless solutions, as well as extended third-party support, HP PCM Plus offers a single-pane management solution. With remote agent extensibility, the software can manage many remote sites with encrypted communications and firewall traversal. Customers will gain superior return on management, security, choice, and flexibility.

Key features

- Unified management across entire network
- Configuring, updating, monitoring, troubleshooting
- Policy-based and multidevice management
- Proactive alert setting, automatic action taking
- Advanced traffic-monitoring capabilities



Features and benefits

Manageability

- **NEW Improved device monitoring:** the Device Availability report can be used to track and document device and network availability over time or to troubleshoot problem devices; an Alert History graph displays a clear visual display of alerts on the network over time, enabling more proactive responses to network problems
- **NEW Endpoint awareness and VoIP device tracking:** a device map view clearly displays which endpoints are directly connected to the device, including phones, cameras, PCs, and authenticated users; provide real-time location and inventory reporting for VoIP phones, including network details such as VLAN assignment, QoS setting, and PoE status
- **NEW Script Wizard:** allows customers or service providers to securely extend the HP PCM Plus capabilities with custom scripts; the Script Wizard handles device authentication and interactions, making the scripts secure and easier to create
- **NEW HP ONE module management:** simplifies the deployment of HP ONE modules and applications; HP PCM Plus discovers HP ONE modules, and a wizard assists users through the installation and activation of HP ONE applications
- **Functional-based profile settings:** allow network administrators to create new profiles and associate what type of information is available for those functions, providing more control of network access; profiles can be set at a global or regional level to give fine-grained permissions within the network, delivering more secure access to the network at all support levels
- **Cisco device support:** allows Cisco customers to migrate to HP networking products and retain their investments in legacy Cisco switches; provides visibility into device support for Cisco premium switches; with HP PCM Plus and its single pane of management, customers can help isolate network problems in a mixed environment

Security

- **Agent security with SSL:** deploying agents in remote environments enables the agent to securely transverse firewalls via a Secure Sockets Layer (SSL) connection to the HP PCM Plus server; once the system is connected, traffic monitoring and event notification use the SSL tunnel to securely traverse the Internet to the destination IP address of the HP PCM Plus server and agent
- **RADIUS authentication of network management administrators:** HP PCM Plus can be configured to use the RADIUS industry-standard protocol to authenticate network management administrators; this approach provides simplified and standardized user administration

Traffic monitoring

- **In-depth traffic analysis:** an integrated traffic-monitoring interface shows detailed information on traffic throughout the network and delivers minute-by-minute views of the volume and content of traffic at specified points within the network; using enhanced traffic analysis protocols such as XRMON and sFlow, users can monitor input and output traffic levels by device (up to 10,000 polled ports per agent) in order to help network managers enhance network resources

Integration

- **HP NNMi integration:**
 - **Advanced HP networking device management:** can be integrated with HP NNMi to provide advanced HP networking device support alongside this industry-leading multivendor management platform, which now provides integrated support for most HP networking devices
 - **Distributed deployment:** HP PCM Plus and NNM-i run on separate management servers for increased performance and coordinate management data and actions via secure communications
- **HP Network Node Manager integration:** optional integration with HP Network Node Manager (NNM) v7.5 is available; when integrated with NNM, HP PCM Plus shares NNM's discovery data and provides additional functionality for HP networking devices

Policy management

- **Policy creation and enforcement:** HP PCM Plus can create policies, set alerts, and take action to enforce network or device policies; network threats, bandwidth, or link problems can be mitigated by proactive policies and can be enforced with alerts and actions

Additional information

- **NEW Increased platform support:** the HP PCM Plus management server runs on the latest Windows platforms, including Windows Server 2008 R2 and Windows Server 2008 (32-bit and 64-bit versions), and supports Windows 7 for the HP PCM Plus client; HP PCM Plus is also supported on virtual servers: Microsoft Hyper-V, VMware ESX v4, and VMware ESX v3.5
- **Event alerting and analysis:** includes event access and filtering capabilities that allow users to view, acknowledge, and sort network events; a summary displays device as well as HP PCM Plus application events and categorizes them by severity, making it easier to track where bottlenecks and problems exist in the network
- **Backup and restore utility:** provides HP PCM Plus with the ability to back up the net management database and the configuration files of HP PCM Plus; users never have to worry about losing known good configurations or database information when making changes or updates to the network
- **Multiple device firmware updates:** automatically obtains new device firmware from HP and updates devices, allowing users to download the latest version or choose the desired version for downloading; network administrators can schedule firmware updates on one or more groups of devices via the easy-to-use Firmware Update Wizard
- **Configurable Integration Platform (CIP) Wizard:** CIP capabilities are still present in HP PCM Plus, but the CIP Wizard makes integration of third-party network devices, user-defined devices, and applications to HP PCM Plus a snap; the CIP Wizard provides a step-by-step intuitive interface for integrating different vendor devices and applications into HP PCM Plus

Product architecture

- **Agent-based architecture:**
 - **User-defined domains:** enable a broad range of activities
 - **Security:** agents traverse firewalls to forward local network information to the server; using one server and up to 25 agents, management becomes faster, more secure, and more compliant with encrypted management communications
 - **Scalability:** cost-efficient scalability allows users to pay for management as they need it

Warranty and support

- **Electronic and telephone support:** limited electronic and telephone support is available from HP; refer to www.hp.com/networking/warranty for details on the support provided and the period during which support is available
- **Software releases:** refer to www.hp.com/networking/warranty for details on the software releases provided and the period during which software releases are available for your product(s)

HP E-PCM Plus Network Management Software Series

Specifications



HP PCM+ v3 Software with 50-Device License (J9174A)



HP PCM+ v3 50-Device License Upgrade (J9173A)



HP PCM+ v3 Additional 100-Device License (J9175A)

	For networks having up to 50 managed devices, HP recommends the following:	For networks having up to 50 managed devices, HP recommends the following:	For networks having 50 to 350 managed devices, HP recommends the following:
Minimum system hardware	2 GB RAM memory 60 GB storage 1000 MB NIC For HP PCM Plus 3.0 as a standalone application with one agent on the server, assuming a dedicated server	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 2 GB RAM memory 60 GB storage 1000 MB NIC For HP PCM Plus 3.0 as a standalone application with one agent on the server, assuming a dedicated server	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 2 GB RAM memory 60 GB storage 1000 MB NIC For HP PCM Plus 3.0 as a standalone application with one agent on the server, assuming a dedicated server
Recommended system hardware	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 2 GB RAM memory 120 GB storage 1000 MB NIC For HP PCM Plus 3.0, assuming a dedicated server with one agent on the server and including HP IDM, MM, and NIM	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 2 GB RAM memory 120 GB storage 1000 MB NIC For HP PCM Plus 3.0, assuming a dedicated server with one agent on the server and including HP IDM, MM, and NIM on the same server	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 3 GB RAM memory 120 GB storage 1000 MB NIC For HP PCM Plus 3.0, assuming a dedicated server with one agent on the server and including HP IDM, MM, and NIM on the same server
Recommended software	Microsoft® Windows® XP Professional SP2/SP3 Microsoft® Windows® 2003 Server Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edition	Microsoft® Windows® XP Professional SP2/SP3 Microsoft® Windows® 2003 Server Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edition	Microsoft® Windows® XP Professional SP2/SP3 Microsoft® Windows® 2003 Server Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edition
Maximum ports simultaneously monitored per server	10,000	10,000	10,000
Maximum sFlow sampling ports per server	3000	3000	3000
Maximum polling ports per server	7000	7000	7000
Browsers	Microsoft Internet Explorer 6.0 or later	Microsoft Internet Explorer 6.0 or later	Microsoft Internet Explorer 6.0 or later
Required platforms		HP PCM Plus 2.0 or later	HP PCM 3.0
Supported platforms	VMware ESX v3.5 HP Network Node Manager 7.5 HP Network Node Manager-i v8.10 VMware ESX v4 Microsoft Hyper-V	VMware ESX v3.5 HP Network Node Manager 7.5 HP Network Node Manager-i v8.10 VMware ESX v4 Microsoft Hyper-V	VMware ESX v3.5 HP Network Node Manager 7.5 HP Network Node Manager-i v8.10 VMware ESX v4 Microsoft Hyper-V
Features	Device autodiscovery Topology and mapping Usable troubleshooting data and alerts Device configuration and management Customizable and executable policies across groups Multiple device configuration management and archiving Creation and configuration of VLANs across the network Traffic monitoring and analysis Email/Pager alerts SNMP trap forwarding OpenView NNM integration Application of policies by user identity	Device autodiscovery Topology and mapping Usable troubleshooting data and alerts Device configuration and management Customizable and executable policies across groups Multiple device configuration management and archiving Creation and configuration of VLANs across the network Traffic monitoring and analysis Email/Pager alerts SNMP trap forwarding OpenView NNM integration Application of policies by user identity	Device autodiscovery Topology and mapping Usable troubleshooting data and alerts Device configuration and management Customizable and executable policies across groups Multiple device configuration management and archiving Creation and configuration of VLANs across the network Traffic monitoring and analysis Email/Pager alerts SNMP trap forwarding OpenView NNM integration Application of policies by user identity

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Specifications (continued)

	HP PCM+ v3 Software with 50-Device License (J9174A)	HP PCM+ v3 50-Device License Upgrade (J9173A)	HP PCM+ v3 Additional 100-Device License (J9175A)
Notes	<p>Additional processing power may be necessary for extensive traffic monitoring. Some degradation in performance may be expected the greater the number of devices attached to the network. Specifications are subject to change.</p> <ul style="list-style-type: none">• Supports up to 2000 devices managed by a single server. For networks with more than 2000 devices, one or more remote agents are required.• For networks with more than 1500 devices, HP recommends that all agents be remote from the HP PCM server.• Systems utilizing VMware are limited to networks with 1200 or fewer devices.• Minimum system requirements for agent: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Server 2003 Enterprise Edition (32-bit).• Minimum system requirements for client: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Vista® (Business or Ultimate).	<p>Additional processing power may be necessary for extensive traffic monitoring. Some degradation in performance may be expected the greater the number of devices attached to the network. Specifications are subject to change.</p> <ul style="list-style-type: none">• Supports up to 2000 devices managed by a single server. For networks with more than 2000 devices, one or more remote agents are required.• For networks with more than 1200 devices, HP recommends that all agents be remote from the HP PCM server.• Systems utilizing VMware are limited to networks with 1200 or fewer devices.• Minimum system requirements for agent: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Server 2003 Enterprise Edition (32-bit).• Minimum system requirements for client: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Vista® (Business or Ultimate).	<p>Additional processing power may be necessary for extensive traffic monitoring. Some degradation in performance may be expected the greater the number of devices attached to the network. Specifications are subject to change.</p> <ul style="list-style-type: none">• Supports up to 2000 devices managed by a single server. For networks with more than 2000 devices, one or more remote agents are required.• For networks with more than 1200 devices, HP recommends that all agents be remote from the HP PCM server.• Systems utilizing VMware are limited to networks with 1200 or fewer devices.• Minimum system requirements for agent: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Server 2003 Enterprise Edition (32-bit).• Minimum system requirements for client: 3.0 GHz Intel Xeon or Intel Core 2 Duo or equivalent processor, 2 GB of memory, 20 GB of hard disk drive space, and capable of running either Microsoft Windows XP (SP2/SP3) or Windows Vista® (Business or Ultimate).• J9175A has the ability to scale up to 3500 devices and 25 agents. Please see J9177A for additional specification recommendations.
Services	<p>3-Year, 9x5 SW phone support, software updates (UQ116E) 3-year, 24x7 SW phone support, software updates (UQ117E)</p> <p>Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.</p>	<p>3-Year, 9x5 SW phone support, software updates (UQ114E) 3-year, 24x7 SW phone support, software updates (UQ115E)</p> <p>Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.</p>	<p>3-Year, 9x5 SW phone support, software updates (UQ118E) 3-year, 24x7 SW phone support, software updates (UQ119E)</p> <p>Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.</p>

HP E-PCM Plus Network Management Software Series

Specifications (continued)



HP PCM+ v3 Unlimited-Device Upgrade License (J9176A)



HP PCM+ v3 Software with Unlimited-Device License (J9177A)

	HP PCM+ v3 Unlimited-Device Upgrade License (J9176A)	HP PCM+ v3 Software with Unlimited-Device License (J9177A)
	For networks having 1200 to 2400 managed devices, HP recommends the following:	For networks having 1200 to 2400 managed devices, HP recommends the following:
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Recommended system hardware	3.0 GHz Intel® Xeon® or Intel® Core™2 Quad processor or equivalent processor 6 GB RAM memory 120 GB storage 1000 MB NIC For HP PCM Plus 3.0, assuming a dedicated server with one agent on the server and including HP IDM, MM, and NIM on the same server	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 6 GB RAM memory 120 GB storage 1000 MB NIC For HP PCM Plus 3.0, assuming a dedicated server with one agent on the server and including HP IDM, MM, and NIM on the same server
Recommended software	Microsoft® Windows® 2003 Server Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edition	Microsoft® Windows® 2003 Server Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edition
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Maximum sFlow sampling ports per server	3000	3000
Maximum polling ports per server	7000	7000
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Required platforms	HP PCM Plus 2.0 or later	
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Features	Device autodiscovery Topology and mapping Usable troubleshooting data and alerts Device configuration and management Customizable and executable policies across groups Multiple device configuration management and archiving Creation and configuration of VLANs across the network Traffic monitoring and analysis Email/Pager alerts SNMP trap forwarding OpenView NNM integration Application of policies by user identity	Device autodiscovery Topology and mapping Usable troubleshooting data and alerts Device configuration and management Customizable and executable policies across groups Multiple device configuration management and archiving Creation and configuration of VLANs across the network Traffic monitoring and analysis Email/Pager alerts SNMP trap forwarding OpenView NNM integration Application of policies by user identity
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Services	3-Year, 9x5 SW phone support, software updates (UQ130E) 3-year, 24x7 SW phone support, software updates (UQ131E) Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	3-Year, 9x5 SW phone support, software updates (UQ598E) 3-year, 24x7 SW phone support, software updates (UQ599E) Refer to the HP website at www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Software

HP Identity Driven Manager 3.0 Software-500-User License (J9438A)

HP Identity Driven Manager 3.0 Software-Additional 1,000-User License (J9440A)

HP Identity Driven Manager 3.0 Software-Unlimited-User License (J9439A)

HP Mobility Manager v3 Software with 50-Device License (J9291A)

HP Mobility Manager v3 Additional 100-Device License (J9292A)

HP Mobility Manager v3 Software with Unlimited-Device License (J9293A)

To learn more, visit www.hp.com/networking

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