



A continuous stream of information.

Network Management with HiVision: all at a glance, everything under control.



- Operator Edition Network Management with 25/50/100/250/500 nodes (IP addresses) for Windows and Linux.
- Monitoring of device status, link and connection status, power supply, fans etc.
- Graphical illustration for networks.
- OPC and ActiveX interface for linking to SCADA systems.
- Alarm and event logging with definition of event actions, e.g. information window, e-mail, SMS and any program start.
- Industrial HiVision can be used as a front end for device configuration with HiVision.

There are many reasons for a system failure in industrial networks: temperature fluctuations, cable breaks or interruptions in the power supply are just a few of the possible causes. The system breakdown costs time, money and nerves – wherever the functional capability of end devices and components of the infrastructure needs to be monitored quickly and reliably during operation. But the recipe for success in the future can be so simple: Industrial HiVision. Because, thanks to the intuitive user interface, this tells users the network status at a glance.

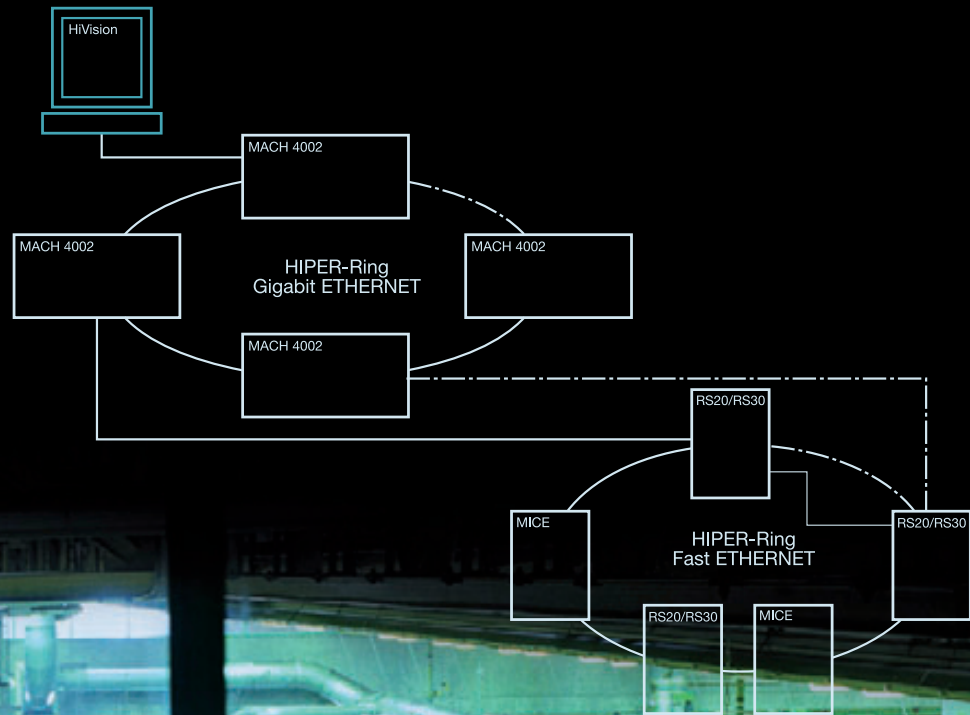
Industrial HiVision projects the network with its hierarchical structure and topology for devices of any manufacturers. This means that not only every source of error is discovered promptly – but the clever program also finds “bottlenecks”, optimizes networks or applications and reduces the costs. In addition, you can also easily integrate and provide all states in your network in SCADA systems with Industrial HiVision via the OPC server and the graphic image of your network via an ActiveX component.



Industrial HiVision



HiVision



Hirschmann™ Competence Center

In the area of Network Management the Hirschmann™ Competence Center puts real professionals at your disposal. For example with **consulting services** in the **network planning** and the **network management consulting package** or with **trainings** such as **CP2d network management** with **HiVision**, **CPUd Update Rail Family** or **WSNMD practical knowledge network management**. In addition, we take over certification testing and support you with the installation and configuration as well as via our service hotline.

www.hicomcenter.com

Industrial Ethernet

Network Management > Industrial HiVision

Type	Industrial HiVision - Operator Edition, 25 Nodes
Order No.	943 156-025  Network management for monitoring of industrial networks with up to 25 nodes (IP-addresses).
Product description License Node extension	license provides supervision of up to 25 nodes (IP-addresses) to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics Topology recognition Monitoring Modules and components Event generation Alarm and event actions	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches, WLAN and end device discovery map-representation, device state, link and connection state (cable break, utilization), powersupply and fan state, ..., ICMP (Ping) and SNMP availability MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail, SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...) polling and SNMPv1 trap support alarm and event logging, including alarm actions like message window, e-mail, SMS and program start
SCADA /Prozessvisualisation (from release 3.0) OPC Server ActiveX Control	Map, device and connection states as well as device properties could be used inside SCADA systems via the OPC Data Access 2.0/3.0 interface Map-representations could be reused inside SCADA systems via an ActiveX control
Protocols Supported protocols	HiDiscovery, ICMP (Ping), SNMPv1, SNMPv2c, SNMPv3, OPC DA 2.0/3.0
Configuration Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation Dokumentation	documentation, export of maps and lists, inventory
Language Support Menus und dialogs Manual and helptexts	English, French, Spanish, Chinese, Japanese, Korean, German English, German
Software requirements Operating system Browser	Windows 2000 / XP Linux (from kernel 2.2, glibc 2.0) Internet Explorer 4.0 or higher, Java runtime environment 1.5.0 is also installed
Hardware requirements Processor RAM Hard disk space Network	x86 compatible CPU, min. 1 GHz 512 MB, 1 GB (recommended) 500 MB free Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing, additional software: Acrobat reader, HiVision
Product variants Version +N	full version - 25 nodes

Industrial Ethernet

Industrial HiVision > Versions

Type	Industrial HiVision - OE, 50 Nodes	Industrial HiVision - OE, 100 Nodes
Order No.	943 156-050	943 156-100
	 <p>Network management for monitoring of industrial networks with up to 50 nodes (IP-addresses).</p>	 <p>Network management for monitoring of industrial networks with up to 100 nodes (IP-addresses).</p>
Product description		
License	license provides supervision of up to 50 nodes (IP-addresses)	license provides supervision of up to 100 nodes (IP-addresses)
Node extension	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics		
Topology recognition	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches, WLAN and end device discovery	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches, WLAN and end device discovery
Monitoring	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability
Modules and components	MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...)	MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail, SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...)
Configuration		
Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.	configuration of IP parameter and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation		
Dokumentation	documentation, export of maps and lists, inventory	documentation, export of maps and lists, inventory
Scope of delivery and accessories		
Scope of delivery	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing, additional software: Acrobat reader, HiVision	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing, additional software: Acrobat reader, HiVision
Product variants		
Version +N	full version - 50 nodes	full version - 100 nodes

Industrial Ethernet

Industrial HiVision > Versions

Type	Industrial HiVision - OE, 250 Nodes	Industrial HiVision - OE, 500 Nodes
Order No.	943 156-250	943 156 -500
	 <p>Network management for monitoring of industrial networks with up to 250 nodes (IP-addresses).</p>	 <p>Network management for monitoring of industrial networks with up to 500 nodes (IP-addresses).</p>
Product description		
License	license provides supervision of up to 250 nodes (IP-addresses)	license provides supervision of up to 500 nodes (IP-addresses)
Node extension	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics		
Topology recognition	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches WLAN and end device discovery	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches, WLAN and end device discovery
Monitoring	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability
Modules and components	MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...)	MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...)
Configuration		
Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation		
Dokumentation	documentation, export of maps and lists	documentation, export of maps and lists, inventory
Scope of delivery and accessories		
Scope of delivery	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing, additional software: Acrobat reader, HiVision	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing additional software: HiOPC, Acrobat reader, HiVision
Product variants		
Version +N	full version - 250 nodes	full version - 500 nodes

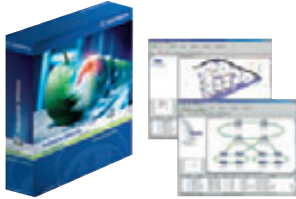
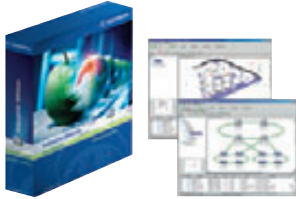
Industrial Ethernet

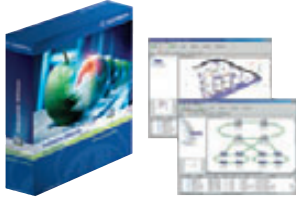
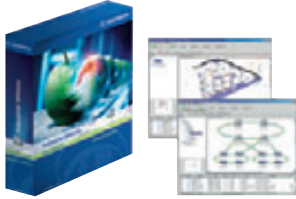
Network Management > Industrial HiVision

Type	Upgrade - Industrial HiVision - Operator Edition, 25 Nodes
Order No.	943 160-025  Network management for monitoring of industrial networks with up to 25 nodes (IP-addresses).
Product description	
License	license provides supervision of up to 25 nodes (IP-addresses). A full-license for 25 nodes is required for the upgrade.
Node extension	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics	
Topology recognition	Topology recognition is based on LLDP (Link Layer Discovery Protocol, IEEE802.1AB) provided by the switches, WLAN and end device discovery
Monitoring	map-representation, device state, link and connection state (cable break, utilization), powersupply and fan state, ..., ICMP (Ping) and SNMP availability
Modules and components	MAC/IP address assignment MACH, MICE, RS2, Foundry Networks FastIron Serie, EAGLE, RS20/30, MICE20/30, OCTOPUS 16/24, LION, GigaLION, BAT54 Rail, SNMP capable switches, any ICMP(Ping) capable device (PLC, decentral IO module, PCs, ...)
Event generation	polling and SNMPv1 trap support
Alarm and event actions	alarm and event logging, including alarm actions like message window, e-mail, SMS and program start
SCADA /Prozessvisualisation (from release 3.0)	
OPC Server	Map, device and connection states as well as device properties could be used inside SCADA systems via the OPC Data Access 2.0/3.0 interface
ActiveX Control	Map-representations could be reused inside SCADA systems via an ActiveX control
Protocols	
Supported protocols	HiDiscovery, ICMP (Ping), SNMPv1, SNMPv2c, SNMPv3, OPC DA 2.0/3.0
Configuration	
Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation	
Dokumentation	documentation, export of maps and lists, inventory
Language Support	
Menus und dialogs	English, French, Spanish, Chinese, Japanese, Korean, German
Manual and helptexts	English, German
Software requirements	
Operating system	Windows 2000 / XP Linux (from kernel 2.2, glibc 2.0)
Browser	Internet Explorer 4.0 or higher, Java runtime environment 1.5.0 is also installed
Hardware requirements	
Processor	x86 compatible CPU, min. 1 GHz
RAM	512 MB, 1 GB (recommended)
Hard disk space	500 MB free
Network	Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories	
Scope of delivery	printed manual (German and English) CD-ROM with multilingual product version, manual and form for licensing additional software: Acrobat reader, HiVision
Product variants	
Version +N	upgrade version - 25 nodes

Industrial Ethernet


Industrial HiVision > Versions

Type	Upgrade - Operator Edition, 50 Nodes	Upgrade - Operator Edition, 100 Nodes
Order No.	943 160-050	943 160-100
	 <p>Network management for monitoring of industrial networks with up to 50 nodes (IP-addresses).</p>	 <p>Network management for monitoring of industrial networks with up to 100 nodes (IP-addresses).</p>
Product description		
License	license provides supervision of up to 50 nodes (IP-addresses). A full-license for 50 nodes is required for the upgrade.	license provides supervision of up to 100 nodes (IP-addresses). A full-license for 100 nodes is required for the upgrade.
Node extension	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics		
Monitoring	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability MAC/IP address assignment	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability MAC/IP address assignment
Configuration		
Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.	configuration of IP parameter and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation		
Dokumentation	documentation, export of maps and lists, inventory	dokumentation, export of maps and lists, inventory
Product variants		
Version +N	upgrade version - 50 nodes	upgrade version - 100 nodes

Type	Upgrade - Operator Edition, 250 Nodes	Upgrade - Operator Edition, 500 Nodes
Order No.	943 160-250	943 160-500
	 <p>Network management for monitoring of industrial networks with up to 250 nodes (IP-addresses).</p>	 <p>Network management for monitoring of industrial networks with up to 500 nodes (IP-addresses).</p>
Product description		
License	license provides supervision of up to 250 nodes (IP-addresses). A full-license for 250 nodes is required for the upgrade.	license provides supervision of up to 500 nodes (IP-addresses). A full-license for 500 nodes is required for the upgrade.
Node extension	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.	to increase the amount of supervised nodes, licenses can be combined. Additional licenses on request.
Diagnostics		
Monitoring	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability	map-representation, device state, link and connection state (cable break, utilization), power-supply and fan state, ..., ICMP (Ping) and SNMP availability MAC/IP address assignment
Configuration		
Configuration functions	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.	configuration of IP parameters and trap target. HiVision provides port, device and VLAN manager functionality. The preferred config tool can be configured individually for any device or device family.
Dokumentation		
Dokumentation	documentation, export of maps and lists, inventory	documentation, export of maps and lists, inventory
Product variants		
Version +N	upgrade version - 250 nodes	upgrade version - 500 nodes


Industrial Ethernet

Network Management > HiVision

Type	HiVision PC Based Industrial Line
Order No.	943 471-350  Network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	PowerMICE, MICE 20/30, RS 20/30/40, MICE, RS2, OCTOPUS M, EAGLE, BAT
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	Windows 2000 / 2003 Server / XP / Vista, Linux (with kernel 2.2 or higher, libc6.1) Stand-alone Windows and Linux Windows - HP OpenView 7.5 RS20/30 release 1.1.1, MICE20/30 release 1.1.1, PowerMICE release. 1.0, Rail Switch RS2-... release 5.1, MICE release 2.0 MICE release 2.0, Rail Gateway RG2-1TX release 3.6.5 Internet Explorer 4.0 or higher, Java runtime environment is also installed all OPC AE 1.0 clients (Alarm and Event) and OPC DA 2.0 clients (Data Access), e.g. OperateIT (ABB), PVSSII (ETM), iFix (Intellution), RS View (Rockwell), WinCC (Siemens), InTouch (Wonderware)
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	x86 compatible CPU, recommended > 500 MHZ Linux and Windows stand-alone: at least 64 MB, 128 MB (recommended) Windows - HP OpenView: at least 28 MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	full version


Industrial Ethernet

Network Management > HiVision

Type	HiVision PC Based Industrial Line-Update
Order No.	943 471-355  Network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	PowerMICE, MICE 20/30, RS 20/30/40, MICE, RS2, OCTOPUS M, EAGLE, BAT
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	Windows 2000 / 2003 Server / XP / Vista, Linux (with kernel 2.2 or higher, libc6.1) Stand-alone Windows and Linux Windows - HP OpenView 7.5 RS20/30 release 1.1.1, MICE20/30 release 1.1.1, PowerMICE release. 1.0, Rail Switch RS2-../.. release 5.1, MICE release 2.0 MICE release 2.0, Rail Gateway RG2-1TX release 3.6.5 Internet Explorer 4.0 or higher, Java runtime environment is also installed all OPC AE 1.0 clients (Alarm and Event) and OPC DA 2.0 clients (Data Access), e.g. OperateIT (ABB), PVSSII (ETM), iFix (Intellution), RS View (Rockwell), WinCC (Siemens), InTouch (Wonderware)
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	x86 compatible CPU, recommended > 500 MHZ Linux and Windows stand-alone: at least 64 MB, 128 MB (recommended) Windows - HP OpenView: at least 28 MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	update


Industrial Ethernet

Network Management > HiVision

Type	HiVision PC Based Enterprise
Order No.	943 471-300  network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	MACH 4000, MACH 3000, MACH 1000, LION, PowerLION, GigaLION, SmartLION, Foundry Networks FastIron series
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	Windows 2000 / 2003 Server / XP / Vista, Linux (with kernel 2.2 or higher, libc6.1) Stand-alone Windows and Linux Windows - HP OpenView 7.5 MACH 4000 release 1.1.1, MACH 3000 release 3.02 Internet Explorer 4.0 or higher, Java runtime environment is also installed all OPC AE 1.0 clients (Alarm and Event) and OPC DA 2.0 clients (Data Access), e.g. OperateIT (ABB), PVSSII (ETM), iFix (Intellution), RS View (Rockwell), WinCC (Siemens), InTouch (Wonderware)
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	x86 compatible CPU, recommended > 500 MHZ Linux and Windows stand-alone: at least 64 MB, 128 MB (recommended) Windows - HP OpenView: at least 128 MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	full version


Industrial Ethernet

Network Management > HiVision

Type	HiVision PC Based Enterprise-Update
Order No.	943 471-305  Network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	MACH 4000, MACH 3000, MACH 1000, LION, PowerLION, GigaLION, SmartLION, Foundry Networks FastIron series
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	Windows 2000 / 2003 Server / XP / Vista, Linux (with kernel 2.2 or higher, libc6.1) Stand-alone Windows and Linux Windows - HP OpenView 7.5 MACH 4000 release 1.1.1, MACH 3000 release 3.02 Internet Explorer 4.0 or higher, Java runtime environment is also installed all OPC AE 1.0 clients (Alarm and Event) and OPC DA 2.0 clients (Data Access), e.g. OperateIT (ABB), PVSSII (ETM), iFix (Intellution), RS View (Rockwell), WinCC (Siemens), InTouch (Wonderware)
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	x86 compatible CPU, recommended > 500 MHZ Linux and Windows stand-alone: at least 64 MB, 128 MB (recommended) Windows - HP OpenView: at least 28 MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	update


Industrial Ethernet

Network Management > HiVision

Type	HiVision HPUX Industrial Line
Order No.	943 471-450  network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	PowerMICE, MICE 20/30, RS 20/30/40, MICE, RS2, OCTOPUS M, EAGLE, BAT
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	HPUX 11.11 only integrated in HPUX 11.11 - HP OpenView 7.5 RS20/30 release 1.1.1, MICE20/30 release 1.1.1, PowerMICE release. 1.0, Rail Switch RS2-../.. release 5.1, MICE release 2.0 e.g. Netscape 4.7 or higher java runtime environment on CD OPC is not supported by HPUX
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	HP UX workstation at least 128MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	full version


Industrial Ethernet

Network Management > HiVision

Type	HiVision HPUX Industrial Line-Update
Order No.	943 471-455  network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version: easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	PowerMICE, MICE 20/30, RS 20/30/40, MICE, RS2, OCTOPUS M, EAGLE, BAT
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	HPUX 11.11 only integrated in HPUX 11.11 - HP OpenView 7.5 RS20/30 release 1.1.1, MICE20/30 release 1.1.1, PowerMICE Rel. 1.0, Rail Switch RS2-../.. release 5.1, MICE release 2.0 e.g. Netscape 4.7 or higher java runtime environment on CD OPC is not supported by HPUX
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	HP UX workstation at least 128MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, HiOPC java runtime environment
Product variants Version +N	update


Industrial Ethernet

Network Management > HiVision

Type	HiVision HPUX Enterprise
Order No.	943 471-400  Network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of product-specific modules. Users can build their own modules for unknown devices. additional support: ANS Competence Center value added products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON alarms and events - integrated SNMP MIB browser - easy configuration of MACH 3000 router redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address - integrated OPC Server HiControl in Windows Version: easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	MACH 4000, MACH 3000, MACH 1000, LION, PowerLION, GigaLION, SmartLION, Foundry Networks FastIron series
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	HPUX 11.11 only integrated in HPUX 11.11 - HP OpenView 7.5 MultiMIKE software release 1.5, FCMA software release 3.4, ETPS release 3.0, ETS 12/24 /12MM release 3.20, Advanced LAN Switch release 2.12, Gigabit LAN switch release 3.30, Gigabit routing switch release 3.2, HiWay workgroup switches FES-24TP Plus and GES-24TP/2SX release 2.0.0.2, GES-24TP Plus release 2.4.6, GES-24FX release 2.4.7.6, MACH 3000 release 3.02 e.g. Netscape 4.7 java runtime environment on CD OPC is not supported by HPUX
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	HP UX workstation at least 128MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	full version

Industrial Ethernet

Network Management > HiVision

Type	HiVision HPUX Enterprise-Update
Order No.	943 471-405  Network management software license
Configuration Configuration functions	<ul style="list-style-type: none"> - autodiscovery of all ICMP and SNMP devices. - save devices in a devicelist - export of all tables to ASCII files - import of Product-Specific Modules. Users can build their own modules for unknown devices. additional support: Competence Center Value Added Products - multi-device-configuration: multiple configuration of devices, e.g. software update - multi-port-manager: multiple configuration of ports from different devices. - configuration of all Hirschmann components including network wide VLANs and user groups. - trap history for whole network and single devices. - status propagation separately configurable for device, card, port, power supplies, fans & chassis. - configuration of RMON Alarms and Events - integrated SNMP MIB Browser - easy Configuration of MACH 3000 Router Redundancy
Diagnostics Diagnostic functions	<ul style="list-style-type: none"> - monitoring of ICMP- and SNMP devices - detailed view of devices health - alarm and event protocol including definition of event-actions like messagebox, eMail, SMS or start of any program - configurable status configuration - multi-port-analyzer for network wide port diagnostic and utilization control - assignment of MAC-Address to IP-Address, to seek MAC - integrated OPC Server HiControl in Windows Version, thereby easy integration in SCADA applications of device status and the reason for status change - long-run monitoring with SNMP monitor include log function
Modules and supported components Modules and components	MACH 4000, MACH 3000, MACH 1000, LION, PowerLION, GigaLION, SmartLION, Foundry Networks FastIron series
Software requirements Operating system Stand-alone / integrated HP OpenView - version Minimum requirement for Hirschmann agents Browser Supported SCADA systems	HPUX 11.11 only integrated in HPUX 11.11 - HP OpenView 7.5 MACH 4000 release 1.1.1, MACH 3000 release 3.02 e.g. Netscape 4.7 or higher java runtime environment on CD OPC is not supported by HPUX
Hardware requirements Processor RAM Hard disk space Recommended resolution Network	HP UX workstation at least 128MB, 256 MB (recommended) HiVision requires approximately 50 MB free RAM. A further 200 kB of RAM are required for each detected agent. The network management unit also requires RAM for the operating system and any additional applications such as OpenView. 80 MB free 1024 x 768 Ethernet network with TCP/IP protocol stack
Scope of delivery and accessories Scope of delivery	printed manual (German and English) printed registration code for online licensing CD-ROM with multilingual product version online documentation, testversion industrial HiVision, java runtime environment
Product variants Version +N	update