




» The Perfect Communications System for Your Enterprise «


HiPath® 3000 Real-Time IP System is a native IP system for small to medium enterprise (SME) sites offer a sensible and profitable pathway to IP (Internet Protocol) communications.



HiPath 3000 can be configured with up to 500 IP phones, 384 digital phones, or in a mixed configuration up to 500 phones and soft clients. HiPath 3000 can easily migrate into a larger HiPath Real-Time IP System configuration by networking up to 32 HiPath 3000 systems. Utilizing the Real-Time Services Manager of the HiPath 5000 creates a virtual single system image for increased productivity and simplified administration amongst disparate locations. HiPath 3000 is leveraged as a survivable media gateway with larger enterprise softswitches such as the HiPath 4000, HiPath 5000 and HiPath 8000. In addition, the HiPath 3000 can also be used as a survivable media gateway in a HiPath 4000 network.

Meeting the challenges of your marketplace requires that the investments you make today will continue to pay dividends for years to come. HiPath 3000 Real-Time IP System gives you a competitive edge by remaining flexible and vital in a rapidly changing environment. Compatibility and scalability help ensure that you can continue to increase performance, and reduce communication costs without compromising responsiveness and customer satisfaction in the process.

HiPath 3000 Real-Time IP System offers flexibility for streamlined business operations, offering a cost-effective solution for any small or medium-sized enterprise. The extensive range of phones, soft clients and applications that work with the HiPath 3000 allow you to increase efficiency without sacrificing professionalism. The offering provides a feature-rich environment that may be accessed from every workstation in real-time.



Combining the best of telephony with innovative IP applications, the HiPath 3000 solution provides real-time communications without compromise. HiPath 3000 comes in three variants optimized for different sized locations: HiPath 3300, HiPath 3500 and HiPath 3800. Coupled with HiPath ComScendo® – the phone feature and call processing application suite – HiPath 3000 provides your company with a universal infrastructure for the real-time transfer of voice as well as data and video, with all the associated benefits of IP technology. The HiPath 3000 solution also helps reduce operating costs, lowers the total cost of ownership (TCO) and can provide rapid return on investment (ROI). Designed to grow according to your business needs and time frames, additional applications are cost-effective and can be implemented when needed. As your company grows or extends its branch or regional network, your HiPath 3000 solution will grow right along with you.

HiPath 3000 Real-Time IP System

<http://usa.siemens.com/enterprise>

SIEMENS

System Features

The HiPath 3000 offers a wide range of HiPath ComScendo features

Selected HiPath ComScendo features

Caller list – Unanswered internal and external calls are recorded on system telephones with a display if external calls contain a caller ID number and internal calls are transmitted with the caller's name.

The calls are entered in a list with a date and time stamp and the number of call attempts is recorded. A callback to internal callers can be initiated directly from this list.

Do-not-disturb/"silent caller" – Users can block incoming calls. Callers go directly to voice mail (if application is implemented) or hear the busy signal when "do-not-disturb" has been activated. Authorized users (attendants, for example) can override this feature. Acoustic signaling or ringing of calls can be deactivated on system telephones so they are only indicated on the display (not available on optiset® E entry, optiPoint™ 500 entry or optiPoint 410 entry).

Call pickup – Calls can be picked up on users' own telephones within a call pickup group or selectively for specific colleagues.

Override – Authorized stations can intrude on other users' calls in progress.

Classes-of-service – Different access authorizations can be assigned to each user, with a distinction being made between:

- No trunk access
- Outward restricted trunk access
- Unrestricted trunk access
- Six allow lists/six deny lists
- 254 outdial rules coupled to toll restriction

Broadcast intercom call – System telephones or over external loudspeakers.

Whisper announce – Allows users to have a private conversation directly with another user without a caller being able to listen; this is especially useful in an executive/secretary function.

Privacy release – Group members can instantaneously join a call in progress with a touch of a button facilitating collaboration.

Call cost log – Call records can be output to a local printer in a standard format or can be output to a separate Call Accounting device (Call Accounting requires the purchase of additional equipment).

Group call – For a total of 800/150/20 (model dependent) groups with maximum 20 users per group. Individual stations can temporarily leave the group.

Entry Voice Mail* – With entry voice mail no calls are lost. Many convenient features optimize accessibility:

- Up to 24 individual mailboxes
- Up to two hours of recording capacity
- Adjustable recording length
- Selection from two personal greetings

And with the automatic attendant function "Auto Attendant," callers can be connected to another number if desired, for example when the phone is busy. Simple and convenient.

* Only available for the model versions HiPath 33X0 and HiPath 35X0

Line keys (MULAP) – The following flexible setups are possible with line keys:

- Teams
- Executive/secretary functions

Internal telephone directory – All extensions are stored with their associated names in the system's internal telephone directory. They can be searched and dialed directly via the display on system telephones or alternatively an LDAP directory can be used.

Speed dialing individual/system – Store up to ten individual destinations on each telephone and up to 1,000 destinations centrally in the system. System numbers are accessible via the internal telephone directory.

Toggleing – Between two existing connections.

Text messages – Any user can send another user a pre-defined message or short messages can be typed to individual stations and viewed via the display.

Advisory messages – Can be left on your own telephone (e.g., Back at...). When internal callers contact you, they receive the advisory message via their telephone display.

Project code – Telephone costs can be assigned to a specific procedure or project by entering the project code (maximum 11 digits). This can also be done while a call is in progress.

Call number suppression – Callers can suppress the display of their directory number on the called party's terminal either on a system-wide basis or temporarily.



HiPath 3800



HiPath 3500



HiPath 3550



HiPath 3300



HiPath 3350

System Architecture – HiPath 3000 is available in different conformations to meet your various installation requirements

- Floor standing: HiPath 3800
- Wallmounted: HiPath 3550, HiPath 3350
- 19" rackmounted: HiPath 3800, HiPath 3500, HiPath 3300

Distinctive call signaling – For internal calls, external calls, recalls and callback calls. Add-on ringing and call signaling simultaneously at several telephones.

Switches (actuators/sensors) optional – Via a control relay module it is possible to connect up to four free relays that can be accessed via codes. (No sensors on the HiPath 3800).

Door interface – For entrance telephone and door opener functions. Calls from the entrance telephone can even be routed to an external destination by using external call forwarding.

Automatic redial (expanded) – For the last three external call numbers dialed.

Uniform call distribution (UCD) – Incoming internal or external calls are routed to the station user (agent) idle the longest in a UCD group. Agents can log on from any telephone by entering an ID. After logging on, the agent is available and is assigned to that telephone until logged off. If agents are busy, the call may be routed to an overflow group, or put in queue and then distributed to the group members when available. The UCD group may also be forwarded (night answer for UCD).

Additional Standard Features

- Authorization classes
- Intercept position/attendant console
- Call forwarding from the extension
- Callback on busy and no answer (automatic)
- Call forwarding no answer after timeout, immediate if busy
- Call Intercept
- Call transfer (internal/external)
- Callback on busy and no answer
- Camp-on/call waiting tone
- Conference (internal/external)
- Consultation
- Display languages (can be specified individually)
- Door intercom and lock function
- Hunt group (linear/cyclic)
- Line seizure (automatic)
- Lock telephone (individual code lock)
- Music-on-hold with system announcement and optional external music source
- Night service/day service
- Park
- Recall from the public carrier

HiPath ComScendo on a Button Suite

An innovative off-the-shelf package of features, which – in conjunction with optiPoint, optiClient® or optiPocket™ devices – provides new kinds of features to increase workplace productivity. The functions can be set up on the end device to be activated is a single application key.

EasyLookup – Provides simple access to the corporate directory (LDAP) with direct dialing of the displayed phone number.

EasyMail – Automatically opens an email window with the addresses pre-populated.

EasySee – Outputs information from the corporate directory onto the PC.

EasyShare – Starting Microsoft NetMeeting on the PCs of all known contacts (in the directory).

Attendant Consoles

optiPoint Attendant

A flexible switchboard solution in two variants: the optiPoint 500 phone, facilitates a convenient status overview of all current calls. If an extension is busy or an employee unavailable, all calls can be diverted to the operator. And with the optiClient Attendant software package, a convenient switchboard can be emulated on the PC, enabling all functions to be carried out with the convenience of a mouse and keyboard.

Special features in addition to the conventional telephone functions are also provided:

- Night service
- Telephone book
- Number of queued calls (can be set up on up to six telephones in the system)
- Enabling for call waiting
- Hold
- Call key 1
- Call key 2
- Release

In addition, a key can be set up with the “error key” feature. The attendant console can be accessed internally via a second directory number. It is possible to extend undialed lines and calls on hold. If the number of users on hold reaches a preset

level, calls will be forwarded to a specified destination. This will also take place when the length of time a call is queued exceeds a specified limit. A user assigned to the specified destination will be regarded as the attendant even without an attendant console ensuring continuous operation.

optiClient Attendant

Provides convenient IP-based switchboard for up to 420 names or 720 numbers. You can choose from seven language versions and up to six stations can be supported. Outlook contact files or LDAP directories can provide additional access to names, addresses and numbers.

optiPoint busy lamp field (BLF) module

The optiPoint BLF module is an additional module principally for optiPoint Attendant. It has ninety LEDs and freely programmable function keys. The individual LEDs are assigned on the telephone or via HiPath 3000 Manager C/E. The status of the users is displayed (free, busy, called).

Executive/Secretary Features

These features ensure rapid communication between executives and secretaries.

- Camp-on at an executive’s phone by the secretary’s phone
- Secretarial function transfer
- Call transfer to the secretary’s phone
- DSS keys for executive/secretary
- Conference corner telephone with parallel call signaling to the executive’s phone
- A private line can be set up for either the executive or secretary
- Whisper Announce from the secretary’s phone to the executive

System Administration

System administration by the customer can be carried out either on the phone or using HiPath 3000 Manager C.

The feature HiPath 3000 Manager C allows customers to perform administration tasks on any system telephone with a display.

HiPath 3000 Manager T is a customer tool that runs under Microsoft Windows and is installed on the PC connected to the system via a V.24, S₀ or TCP-IP-based LAN interface.

The HiPath Real-Time IP System can be incorporated in Ethernet LANs by means of a LAN interface. Data is exchanged using SNMP (Simple Network Management Protocol). The following functions are supported:

- System administration
- Fault management
- System software updating

Relocate/Mobility

This feature allows users to relocate without the need for subsequent interventions by system administrators. A relocated user retains their existing extension number, button layout and user features. This ensures that users involved are available as quickly as possible following relocation (e.g. project groups). Since the IP device is not moved, E-911 compliance is ensured.

Data Protection/Data Security

To protect the HiPath Real-Time IP System and customer data from unauthorized access, the Service menu can only be entered by means of individual user IDs. This means it is possible at all times to establish who carried out what system modifications and when.

System Administration Structure

- User data Access via the Service menu using an individual user ID and password to protect customer data such as speed dialing destinations and call charge data. Real-time IP system owners can make minor system settings with a defined scope themselves
- System data Access via the Service menu using a user ID for system administration and password. Access to this data area is restricted to qualified personnel and is password-protected
 - Password concept with individual identification and authentication
 - System access via telephone or service tool and remote access is controlled
 - Administrative procedures can be logged (Who made changes, and when)

Voice Security

HiPath 3000 uses 128-bit AES encryption for voice payload and signaling paths in accordance with the SRTP (Secure Real Time Protocol) IETF RFC3711 standard. This protects communications against unauthorized access to confidential conversations. And without any additional software/hardware, because the encryption is done directly in the existing end devices and in the gateways used.

User Solutions

Integrated Voice Messaging – HiPath Xpressions Compact

This is an adaptable speech memory system for deferred and location-independent storage, retrieval, and distribution of voice messages in users' own individual voice mailboxes. HiPath Xpressions[®] Compact also provides auto-attendant functionality.

Call Center – HiPath ProCenter Compact

A professional and economical call center software solutions, for up to 32 agents. Optimize customer service and maximizing customer loyalty with increased profitability. Alongside the integrated call distribution, HiPath ProCenter[®] Compact offers supervisor functions with real-time reporting and extensive statistical functionality.

Application Server Support

In addition to the embedded applications, HiPath 3000 supports external application servers such as HiPath Xpressions, HiPath ProCenter Agile and HiPath ProCenter Suites. These applications can be connected to a single system or be leverage across a network of HiPath 3000 system. In addition, third-party vendor solutions can also be leveraged in the same capacity using open standard interfaces such as CSTA.

Computer Telephony Integration (CTI) HiPath TAPI 120/170

Enables the link between PC and digital telephony and allows TAPI-compliant applications to be integrated via CTI (Computer Telephone Interface). Call traffic can be managed more effectively though call registration, caller ID, and the creation of tasks. Connecting a database allows customer queries to be answered more professionally.

Third-Party Video Conferencing

A variety of multimedia applications can be combined with HiPath 3000 to form a convenient video conference system. Applications from various manufacturers are available.

HG 1500

HG 1500 is the LAN and gateway interface card in the HiPath 3000. This card makes voice, fax and data communication possible via ISDN or other PSTN offerings from the carrier network and from any PC network via the LAN. HG 1500 includes an H.323 and SIP gateway, which supports standardized voice communication over IP networks. The HiPath 3000 forms the interface to the company's Ethernet LAN, allowing communication solutions and applications with multi-station capability to be implemented with HiPath 3000. By adding IP capabilities, customers can extend full-featured functionality to remote workers, allowing road warriors and remote workers to work wherever the business brings them. Depending on the required bandwidth, HiPath 3000 makes flexible use of the ISDN or PSTN lines and LCR intelligence for voice, fax and data communication. No external routers or additional servers are required for LAN PCs because the router functionality, firewall functions, and security are already integrated in HG 1500.

LAN-LAN coupling – Through LAN-LAN coupling, Ethernet LANs at different locations are linked into a single corporate network using ISDN dial-up lines. This makes it possible for outside locations to access central files or files at other locations, thereby meeting the requirement for interactively combining workflows in organizational units at different locations.

Remote LAN access – By linking PCs that are installed outside the corporate LAN, an authorized group of people can be allowed to access central applications and information sources from an external location. This means home workstation users can access the same LAN services as users of PCs connected to the corporate LAN (data, email, PC programs).

Internet access – In addition to LAN-LAN coupling, there is the possibility of Internet routing with the following features:

- Dynamic IP address procurement from the Internet provider
- Internet accessing using just one IP address of the Internet provider, i.e. cost-effective solution for all PCs in the network
- Dynamic or static channel bundling (load-dependent B-channel switching)

Internet Provider Must Support

Authentication – The Password Authentication Protocol (PAP) and Challenge Handshake Authentication Protocol (CHAP) were developed in response to increasing demands placed on the security aspects of data networks. The PAP/CHAP/MS-CHAP procedures can be employed to authenticate the users if an external connection (WAN) is set up via HiPath 3000.

Access Control (Firewall) – Prevents unauthorized persons from accessing the corporate LAN. The firewall mechanisms are:

- ISDN call number checking
- Automatic callback without setting up an ISDN toll call
- Checking the IP addressing
- MAC firewall (checking the MAC/IP address combination in the internal LAN)
- Port filtering; Enabling and disabling services according to IP addresses

Telematic services – Access to telematic services ensures the transmission of fax reports and files to/from any PC.

- Group 3 Fax up to 14,400 bit/s
- Fax-on-Demand in receive direction
- ISDN file transfer

Call Charge Management

A variety of PC-based software programs are supported for recording and assigning incoming and outgoing call charge data that permit evaluation by extension, trunk, department etc. The call charge data can be transmitted directly to a central server via the LAN interface.

Least Cost Routing

HiPath 3000 uses least cost routing (LCR) to automatically control the path used for an outgoing call. Calls can be routed via the public network or various carriers or a private network. The most favorable connection path for the external call is found using the routing tables. A trunk is seized after reference to the routing tables. These analyze the digits dialed by the user and determine the directory number to be dialed by the system. Individual network providers in many cases offer different charge rates for certain connections and conditions, so with LCR it is possible to automatically select the most economical connection for each outgoing telephone call depending on the time of day and route.

Networking

Digital Nailed Connections

Corporate communication networks can be implemented over digital trunks nailed connections between several HiPath Real-Time IP Systems using the CorNet® N protocol and between HiPath and non-Siemens systems using the QSIG protocol. The systems are linked with each other via public and/or private lines.

Virtual Private Network (VPN)

VPN and IPsec increase security with "site-to-site" networking between locations with the following benefits:

- Secure Internet connection, no manipulation of confidential voice and data communication
- Secure integration of external partners into the company network
- Secure access to corporate information for mobile workers and teleworkers

Networking variants

- "Site-to-site" VPN (site networking)
- Remote access VPN (remote access by mobile workers)

Performance features

- IPsec: authentication and confidentiality using ESP
- Tunneling, secure VPN connection with another VPN gateway or a VPN client
- Connecting teleworkers to the VPN (Safenet Sentinel)
- Automatic reconnect (automatic restoration of Internet connections following a forced disconnection)

IP Networking

With HiPath 3000 it is possible to network multiple locations (nodes) via TCP/IP-based data lines. In doing so, the CorNet IP is tunneled in the data flow.

Clients and Devices

The optiPoint 420, optiPoint 410, optiPoint 500, optiPocket, optiClient 130 and the optiPoint WL2 professional are available for various workstation requirements.

optiGuide®, the interactive user prompting via a display and dialog keys, facilitates feature activation from digital telephones, as well as on IP telephones.



optiPoint 420 advance

Ideal for desk sharing and flexible office environments. Innovative self-labeling key (SLK) technology for automatic transfer of key layouts, allow users to have their buttons from another device in the network.

Other Models Include

- optiPoint 420 economy
- optiPoint 420 economy plus
- optiPoint 420 standard



optiPoint 410 standard

A flexible IP phones with maximum adaptability, and exceptional high voice quality due in part to the G.722 codec technology. Feature updates can be easily carried out via software download.

Other Models Include

- optiPoint 410 entry
- optiPoint 410 economy
- optiPoint 410 economy plus
- optiPoint 410 advance

optiPoint 500 entry

These digital phones offer a wide range of convenient functions and features, as well as ergonomic design. optiPoint 500 entry is precisely the right springboard into digital telephony.

Other Models Include

- optiPoint 500 basic
- optiPoint 500 standard SL
- optiPoint 500 standard
- optiPoint 500 advance

optiPocket

Designed for mobile business telephony on high-end handhelds (PDAs). Once optiPocket is launched on the PDA, all incoming calls are automatically routed to the PDA. Enjoy online access to your data and Microsoft Outlook, or you can dial a number from the Corporate Directory (LDAP) – just as conveniently as if you were in the office.



optiClient 130 Soft Client

Telephony via the PC – exceptional value and performance allowing for convenient and simple access for remote workers.

optiPoint WL2 professional

Provides mobile communication in both the office and remote environments. Can also be integrated into existing WLAN infrastructures.

Other Models Include

- optiPoint W1 professional
- optiPoint WL1 professional



AP 1120

Up to two existing analog devices can be connected to a HiPath 3000 over the Ethernet network (per device), preserving investment in legacy equipment (faxes, phones, etc). Additional devices for analog (H.323 or SIP) are supported as well. It also has embedded support for two analog subscriber (FXS) devices.

optiPoint Modules and Adapters

Siemens offers a quick and cost-effective way to modify optiPoint telephones, allowing you to add IP, digital and universal sets at any time.

- Add phones, PC cards, faxes, modems, headsets and other devices
- Add security features, function keys, labeling options, speakers and microphones
- Easily add a second device to existing phones
- Add voice, video and data without adding cabling, buying specialized telephones, or using additional ports



optiPoint application module

Large color touch-screen enables easy access to a range of telephone applications such as WAP browser for Internet access, Corporate Directories via LDAP queries, voice activated dialing, and java applications. Users can complete work faster and more efficiently.

optiPoint key module

Add-on device for optiPoint telephones with 16 function keys (double entries) and LEDs.

optiPoint busy lamp field (BLF) module

Add-on device for optiPoint telephones with 90 function keys and LEDs.

optiPoint acoustic adapter

For connecting external loudspeaker, microphone, headset, two contacts for busy lamp field or door opener.

optiPoint recorder adapter

For connecting a recorder or a second headset.

Expansions	HiPath 3800	HiPath 3550	HiPath 3500	HiPath 3350	HiPath 3300
	(Wallmounted System)	(Wallmounted System)	(19" Rack)	(Base System/19" Rack)	(19" Rack)
Analog users (a/b) maximum	384	96	44	36	20
Digital users (UP0/E) maximum	384	72	48	24	24
IP user	500	192	192	96	96
Maximum* users in mixed configuration (TDM and IP)	500	192	192	96	96
Additional users via optiPoint phone/analog/ISDN adapter	116	48	29	24	24
V.24 interfaces	2	2	1	2	1
optiClient Attendant (PC attendant console)	6	6	6	6	6
optiPoint Key Modules	100	100	100	30	30
optiPoint BLFs	12	6	6	NA	NA
Integrated voice mail maximum users		24	24	24	24
IP networked nodes	32/64 [†]	32/64 [†]	32/64 [†]	32/64 [†]	32/64 [†]
Number of HG 1500 boards	8	4	4	2	2
Dimensions H x W x D (mm)	19.30" x 17.3" x 15.35" (490 x 440 x 390)	17.72" x 18.11" x 7.87" (450 x 460 x 200)	6.10" x 17.32" x 14.96" (155 x 440 x 380 (3,5 U))	17.72" x 18.11" x 15.35" (450 x 460 x 130)	3.50" x 17.32" x 14.96" (89 x 440 x 380 (2 U))
Weight (approximate) fully equipped	74.96 lbs (34 kg)	17.64 lbs (8 kg)	17.64 lbs (8 kg)	13.23 lbs (6 kg)	13.23 lbs (6 kg)
Case color	Steel blue/ Arctic gray	Warm gray	Bluegreen basic	Warm gray	Bluegreen basic
Software version	V6.0	V6.0	V6.0	V6.0	V6.0

* Maximum capacities vary from country to country depending on available interfaces. Maximum capacities cannot all be reached simultaneously and are configuration dependent.

† Approved on a specific project basis.

Software Solutions for the USB Interface

CallBridge® TU

Software solution for CTI support over the USB interface of the optiPoint 500.

CallBridge for Data

Software solution for data communication over the USB interface of the optiPoint 500.

Quality of Service (QoS)

Voice quality in the IP network is ensured by the following QoS protocols:

- IEEE802.1p Tags (Layer 2)
- Type of Service (ToS) prioritization (RFC 791, Layer 3)
- Differentiated Services (DiffServ; RFC 2474, Layer 3)
- VLAN in accordance with 802.1Q

System Interfaces

On the Trunk Side

US-ISDN

- Basic Rate Interface (BRI) and Primary Rate Interface (T1/PRI)

Analog trunks

- Analog trunk connection with and without Direct Inward Dial (DID)

IP trunks

- SIP support between other HiPath Real-Time IP Systems and to pre-approved carriers

TCP/IP-LAN

- LAN-interface module (LIM/LIM S)
- Ethernet Connection for Administration via TCP/IP standard on HiPath 3300/3350 and HiPath 3500/3550
- CTI functions
- Call cost capture and analysis (call accounting)

On the User Side

Analog

- al/b (t/r) for connecting analog terminals such as group 2 and 3 fax, Vtx, modem

Digital

- U_{PO/E} for connecting digital two-channel telephones
- S₀ user bus for up to eight independently powered terminal devices (e.g. group 4 fax, ISDN PC card)

IP interface via HG 1500

- For connecting road warriors and remote workers
- Ethernet connection for IP phones
- Networking via IP
- System administration via TCP/IP
- Support of VPN with IPsec
- Support for T.38 Fax
- Support for SIP (RFC3261) and H.323v4 protocol

Additional Interfaces

V.24

- For connecting a service PC, call charge computer or printer

V.24 with CSTA protocol

- For connecting Hotel applications S₀FV, S₂MFV or PRI with CorNet N or QSIG protocol
- Digital nailed connection LIM/LIM S

Technical Data

Power Supply

Systems, by default, are designed for AC operation. Possible power outages can be optionally bypassed with an uninterruptible power supply (UPS).

Rated Input Voltage (AC) 88 to 264V

Rated Frequency 50/60 Hz

Battery Supply (DC) -48 V

Environment/Operating Conditions

Temperature +5 °C to +40 °C

Relative Humidity 5 to 85%

Range

Between HiPath 3000 and devices: 1,640 ft (500 m) maximum.

Siemens—Award-Winning Solutions



2005 Well-Connected Award—Digital Convergence:
Best VoIP Package
Network Computing
HiPath 3000 V4.0
Real-Time IP System



2005 Well-Connected Award—Digital Convergence:
Core Area Winner
Network Computing
HiPath 3000 V4.0
Real-Time IP System



2005 Technology Leadership Award
Frost & Sullivan
Siemens SIP-Based Product Portfolio



2005 Business Development Strategy
Frost & Sullivan
Siemens® LifeWorks®

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Collateral stock number G0406-D1855-00

Availability and technical specifications are subject to change without notice.

PDF.07.06 Produced in the U.S.A.

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