

ALCATEL-LUCENT OPENTOUCH MULTIMEDIA SERVICES

RELEASE 1.2 AND

ALCATEL-LUCENT OMNIPCX ENTERPRISE COMMUNICATION SERVER

RELEASE 10.1

Converged multimedia communication for large enterprises.



Accustomed to the freedom they have to access their consumer applications anywhere, at any time and on any device, today's employees want the same seamless, ubiquitous access to enterprise applications on their business and personal devices whether they are in the office or well beyond the enterprise boundary. Two components of the Alcatel-Lucent OpenTouch™ Suite, the Alcatel-Lucent OmniPCX™ Enterprise Communication Server (CS) and Alcatel-Lucent OpenTouch™ Multimedia Services, provide the flexibility that employees want.

engage with customers, partners and peers, and improving their productivity at work. OpenTouch offers a seamless user experience, based on natural conferencing capabilities, across devices and locations.

Alcatel-Lucent OmniPCX Enterprise Communication Server and Alcatel-Lucent OpenTouch Multimedia Services

As a key component of the OpenTouch Suite, the Alcatel-Lucent OmniPCX Enterprise CS, Release 10.1, is a communications software that delivers world-class business telephony features for medium, large and very large-sized companies, offering a choice of centralized or decentralized IP telephony solutions.

Alcatel-Lucent OpenTouch Multimedia Services, Release 1.2, complements the OmniPCX Enterprise CS and offers the new OpenTouch conversation services.



Alcatel-Lucent OpenTouch Suite

The Alcatel-Lucent OpenTouch Suite turns traditional enterprise communications into rich conversations by making multi-device, multi-party, multimedia collaboration part of everyday business. When employees are more agile and productive, the business is more agile and productive.

The OpenTouch Suite delivers native multimedia (video, voice, instant messaging [IM], content sharing) and multi-device conversation services, helping users better

FEATURES	BENEFITS
Conversation services on application-enabled desk phones, tablets, PCs and smartphones ¹	Offers a next-generation enterprise communications experience
User-centric communications experience across devices and locations ¹	Provides full-featured access to enterprise communications services across devices while on site or off site
Conversation services with integrated multimedia conferencing and presence ¹	Enables virtual teams across sites with rich multiparty communications, including IM, Web sharing and HD video conferencing
Business communications services, including attendant, routing and messaging services	Increases communication efficiency for employees with new opportunities to reach their contacts
Embedded voice-centric customer services and multimedia customer service integration	Increases customer satisfaction by improving call resolution while optimizing support resources
Centralized or decentralized IP telephony infrastructure flexibility and software scalability	Reduces the on-net and off-net communication costs; enables a choice of network configurations and a choice of IP, IP/TDM or TDM endpoints, minimizing additional investment and enabling a smooth migration
VMware® virtualization	Increases operational agility and streamlines hardware sourcing policies in data centers
Open SIP and video at the core ¹	Provides multimedia and standards-based openness for visual collaboration
Open API ¹ using Web Services and REST technology	Improves agility when integrating communications with business processes
Simplified and Unified Management ²	Reduces total cost of ownership of business communication and conversation services

TECHNICAL SPECIFICATIONS

Communication services

Conversation services¹

- Wideband VoIP, HD video and IM communications
- Ad-hoc and scheduled audio, video, IM and Web conferencing using voice-activated video switching: Set up and join instantly
- Whiteboard and webinar presentation mode with annotation
- Enterprise presence including conversation status
- Desktop phone and mobile phone control from PC
- Universal directory access
- Call by name or by skill
- Favorites list unified across devices
- Unified call and messaging history across devices
- Single-identity: routing profiles
 - User-defined routing rules
 - Route to one or several devices
- Rapid session shift between devices
- Visual mailbox access
- Desktop integration

Business communication services

- Centralized directory, call by name
- Multiline telephony
- Call options, speed dial
- Audio conferencing

- Personal and enterprise call routing and forwarding
- Call-back features
- Lawful intercept
- Call history
- Contextual voice prompts
- Informal group features
- Desk-sharing features for shared offices
 - Alcatel-Lucent 8 Series Extended Edition IP Touch™ Phones
 - Login, logoff, re-logon
 - Automatic logoff

Manager-assistant

- Teams
- Filtered lines, private lines
- Text messaging, IM, voice messaging
- Discreet listening

Teams and groups

- Hunting groups, queues
- Supervision

Multi-tenancy

- Services per entity:
 - Speed dial
 - CLIP/CLIR
 - Auto attendant
 - Greeting message
 - Music on hold
 - Night service

Desktop communications

OmniTouch™ 8082 My Instant Communicator Phone³

- 7-in. capacitive and haptic touch screen
- Media player, screensaver and pictures
- Microsoft® Outlook® contacts sync
- Conversation services
 - Wideband audio
 - Video escalation
 - Unified directory
 - Session history
 - Visual messaging
 - Favorites
 - Supervision, pick-up
 - Session shift
 - Routing profiles
- Presence-based manager – assistant conversations
- Hospitality mode
- SIP and Web services
- Third-party Web-based applications support
- SDK, developer portal
- 10/100/1000 Ethernet
- Bluetooth® handset
- G722, G722.2 wideband audio
- 802.3 AF PoE (class 3)

OmniTouch™ 8600 My Instant Communicator^{1,4}

- Audio, video, IM and Web-sharing conversation services on a PC desktop
- IBM® and Microsoft PC desktop integration
- Microsoft Windows® XP, Vista®, 7
- Citrix™ XenApp™ 4.5, 5.0, 6.0

LifeSize® personal video

- LifeSize® Passport and Unity 50 : Desktop audio/video appliance for office and remote workers
- OpenTouch endpoints¹
 - One-to-one or multiparty conversations with other OpenTouch endpoints
 - Routing profiles
 - Session shift

IP Touch 8 Series Extended Edition IP phones, IP Touch 9 Series digital phones

- Business communication services
- Embedded alpha keyboard
- Display of participant name and contextual feature keys
- Hands-free loudspeaker announcement
- Headset capability, such as Bluetooth
- Alcatel-Lucent NOE protocol, SIP or NOE over SIP
- Add-on supervision modules
- XML kit/library for developers
- IP desktop softphone: IP Touch 8 Series software client
 - Microsoft Windows XP, Windows 7
 - Apple® Mac® and Apple® iPad®

8002, 8012 DeskPhone^{1,5}

- OpenTouch endpoints¹
 - Essential SIP telephony services
 - Multi-lines support
 - Display of participant name and contextual feature keys
 - Unified directory
 - Routing profiles
 - Hands-free loudspeaker

PC desktop integration^{1,4}

- Desk phone and mobile phone control
- One-number control
- Unified Messaging control
- Microsoft applications
 - Microsoft Outlook 2010
 - Microsoft® Exchange Server 2007, 2010
 - Microsoft® Office® Communicator 2007 R2, Lync® 2010

- IBM® applications
 - IBM Lotus Notes® 8.5.x
 - IBM Lotus Domino® 8.5.x
 - IBM Lotus Sametime® 8.5.x

Video rooms and whiteboards

- LifeSize® Room 220/220i, Team 220, Express 220, Unity 500
- SMART interactive whiteboards
- OpenTouch endpoints¹
 - One-to-one or multiparty conversations with other OpenTouch endpoints
 - Routing profiles
 - Rapid session shift
 - SIP, H.263, H.264

On-site mobility

OmniTouch™ 8118/8128 WLAN and 400/500/500EX⁵/8232 DECT

- Business communication services
- Hands-free
- Headset capability
- Integration with notification and location-based services through Alcatel-Lucent Application Partner Program (AAPP)

On-site and off-site mobility

OpenTouch™ Conversation for iPad¹

- Place, answer, and manage voice and video calls
- View contact presence and availability
- Start with a simple one-to-one chat and
 - add people
 - add voice
 - add video
 - add content
- Manage call routing profiles
- Present a single business identity across devices
- Listen to and manage voice mail messages
- Schedule meetings on-the-go
- View, conduct, annotate presentations
- Download from the Apple Store

OmniTouch™ 8600 My Instant Communicator Mobile

- Software client with intuitive graphical interface
- Single identity, directory lookup, business caller name presentation, comm. history, on-call access to business services^{1,4} on:
 - RIM® BlackBerry®
 - Apple iPhone®
 - Google™ Android™ platform

- Presence, favorites, routing profiles, view/start/stop manager-assistant routing, list of participants, ad-hoc conferences, session shift¹ on:
 - RIM BlackBerry
 - Google Android
- IM on RIM BlackBerry
- Easy deployment:
 - RIM BlackBerry Enterprise Server (BES)
 - Apple® AppStore
 - Google Play

Hospitality communication services

- My IC Phone, IP Touch 8 EE and 9 Series or analog phones
- Guest features
- Room service features
- Room directory features
- Billing and barring features

Attendant services

- Call queuing services
- Alarm indication
- Attendant group features
- Busy lamp field
- Multitenant services
- Record online
- Trunk and charging features
- VIP line features
- User management features
- Add-on module
- Headset capability

Attendant positions

- PC-based IP attendant
- PC-based Alcatel-Lucent 4059 Extended Edition Multimedia Attendant Console
 - Presence look-up
- IP Touch 4068 Extended Edition

Messaging services

- Integrated or unified messaging^{1,4}
 - Local storage
 - IMAP servers
- Alcatel-Lucent 4645 Voice Messaging Services
- Extended recording and playback control
- Message Waiting Indication and visual control
- Automated Attendant
- Personal Automated Attendant
- Distribution lists
- Record online
- Shared mailbox

Fax services

- Embedded software^{1, 4}
- SIP, SIP/TLS, T.38 Fax over IP, SMTP
- Microsoft Outlook/Exchange 2007, 2010
- Microsoft desktop integration
- IBM Lotus/Domino 8.5
- Web access

CUSTOMER SERVICES

OmniTouch™ Contact Center Standard Edition

Embedded distribution

- Patented visual tool to manage configuration and design routing, to check call flow in real time and update
- Skill- and cost-based distribution
- Routing time schedule
- Expected and remaining waiting time announcement
- Group selection options

Outbound

- Preview, progressive, predictive
- Visual Agent Scripting for outbound quality dialog defined by non-programmers

Architecture

- Distributed Contact Center with ABC network
- HA and branch survivability with OmniPCX
- Business, home and mobile agents

Voice announcement

- External/external voices guides
- From audio station or IPTouch™ phones

Agent features

- Free seating agent position
- Logon/logoff, withdraw, wrap-up (manual or CTI-based)
- Private call barring
- Transaction code (with reporting)
- Supervisor help/monitoring
- Agent direct call with statistics
- CCA toolbar providing personal statistics

Supervision and statistics

- Real-time statistics
- Customizable alarms and reports
- Discrete call listening and monitoring
- Predefined and customizable Microsoft Excel®-based statistics and reporting
- Statistics download (FTP)
- Free seating supervisor position

- Wallboard display control for LED and TV
- Genesys™ Workforce Management™
- Openness to other workforce management software

Genesys™ Compact Edition

Segmented media distribution

- Visual Contact Center reuse of popular/patented CCS matrix concepts applied to blended e-mail /voice routing
- Microsoft Windows drag-and-drop configuration capabilities
- Contact segmentation
- Skill- and cost-based distribution
- Queue management
- Conditional overflow
- Estimated waiting time information
- Look-ahead contact routing
- Multistage and multilevel queuing
- Multimedia group, queue and agent selection
- Scheduled time-of-day routing
- Group selection

Visual IVR

- Embedded in Visual CC, reusing OmniPCX resources; no additional hardware
- Used for interactive qualification, in queue or as a group
- Icon selected from Visual CC

E-mail

- Auto-acknowledgment and redirection
- Keyword classification
- Backlog and work-bin management

Outbound

- Preview, progressive, predictive
- Visual Agent scripting for outbound quality dialog defined by non-programmers

Voice announcement

- Agent tutorial voice guides
- Routing voice announcement updates
- Redirection, closing, opening announcements
- From audio station or IP Touch phones

Agent features

- Free seating agent position
- Logon/logoff, withdraw, wrap-up (automatic or manual)
- Private call barring
- Transaction code (with reporting)
- Supervisor help/monitoring

- Agent desktop VoIP and IP plug-in
- Multimedia Genesys Agent Desktop (GAD) with screen-pop and contact history
- Genesys Interaction Workspace agent desktop
- Business, home and mobile agent with analog telephone, DECT, GSM, mobile

Supervisor features

- Real-time statistics:voice and e-mail
- Call monitoring barge-in and discrete listening
- Service-level management and monitoring
- Overrun option automatically increases agent licenses by 30% during 10-day peak period

Supervision and statistics

- Enhanced, easy-to-use customization of historical predefined Microsoft Excel-based reports
- Scheduling and generation of historical reports
- Alarm/alert customization
- Unicode supporting multiple languages
- Wallboard display control for LED and TV

Openness options

- End-to-end, detailed statistics reporting
- Optional integration with full featured IVRs
- Genesys Workforce Management
- Workforce management interface
- Genesys Gplus Adapters for Microsoft CRM and SAP CRM

Professional services options

- Interface to BMC® Remedy®, Salesforce.com® Salesforce®, CDC Pivotal CRM and others

OmniTouch™ 4625 Interactive Voice Response

- Short deployment time and easy access to autonomy with packaged IVR, including Application Generator
- Outbound applications
- ASR, TTS, voice mailboxes, fax

Genesys suite integration

- OmniPCX Routing Service Intelligence (RSI)
 - Optimization by leveraging OmniPCX features and resources
 - Database synchronization
 - CCD backup on OmniPCX
- IP Touch 8 and 9 Series agent display

OPERATIONS²

- Centralized, hosted or distributed management using Alcatel-Lucent OmniVista™ 8770 Network Management System (NMS)
- Comprehensive application suite to manage OmniPCX Enterprise CS from 8.0 and OpenTouch
 - Meta-profiles: 3 to 6 parameters for user creation
 - Microsoft Active Directory® integration
- Real-time performance monitoring, including MOS and R-factor: Web 2.0 dynamic charts and search
- Advanced proactive real-time thresholding and alerting with versatile reporting capabilities
- Tailored and animated topology maps
- Multicarrier metering
- Unified Web and LDAP corporate directory
- Company directory
- Device management for OpenTouch endpoints
- Evolution path from OmniVista 4760 NMS

INFRASTRUCTURE

Capacity

OpenTouch Multimedia Services

- Single server: 1,500 users with conversation services, 3,000 devices

OmniPCX Enterprise CS

- Single server: 15,000 IP users or 5,000 TDM users
- 100 servers in a single network
- Fully networked servers, 100,000 IP/TDM users with single image
- 250 servers in a supra network
- >1 million users in a supra network
- BHCC per server: 300,000

Architecture

- Centralized or distributed CS
- CS and database duplication
- Seamless communications failover
- Full-featured branch office survivability
- Backup signaling link for branch office survivability
- TDM or IP switching

Business processes

- TAPI
- MAPI
- DDE
- OLE.com
- LDAP

Application partner interfaces (AAPP)

- SIP
- XML Web Services
- CSTA, TSAPI Premium Server, TAPI Premium Server, RTI, WMI
- DR-Link
- Alcatel-Lucent Hospitality Link, InfoCenter
- OmniVista Tickets Collector, CDR
- QSIG, Paging Interface

SIP

- SIP proxy/registrar/redirect server and SIP gateway
- Server redundancy (active/passive)
- Branch office survivability

IETF standards

- SIP RFC: 2782, 3261, 2543, 3262, 3263, 3264, 3265, 3311, 3323, 3324, 3325, 3327, 3515, 3891, 3892, 3398, 3608, 3966 (partial), 4497, 2327, 2617, 1321, 2833, 4733, 3842, 4028, 3725 (partial), 3960 (partial)
- RTP RFC: 1889, 1890, 2198, 3550, 3551, 3711, 3362
- SIP best practices: RFC 4504

VoIP

- G722, G722.2¹ audio wideband
- G.711 A-law and μ -law, G.723.1A, G.729.AB audio
- Call admission control
- Automatic compression algorithm allocation
- Dynamic jitter buffer, echo cancellation, packet loss concealment (PLC), VAD: silence suppression and comfort noise generation
- Wideband conferencing¹
- DTMF Q23, robust DTMF relay, RFC 2833
- Generic signal qualification and modem transport
- Anti-saturation mechanism; backward and forward automatic gain control
- Embedded signal quality diagnostic tool
- QoS: TOS or DiffServ tagging, 802.1 p/Q

Video

- SD/HD video
- H.263, H.264
- Voice-activated video switching for ad-hoc and scheduled conferences¹
- Continuous presence¹ (requires additional MCU)
- ISDN gateways (AAPP)
- LifeSize Video Center (AAPP)

Fax

- G3, super G3 fall-back
- Automatic fax detection
- G.711 transparent (Alcatel-Lucent protocol) and T.38 (Alcatel-Lucent protocol, H.323 and SIP)

Messaging networks

- 4645 VMS: IMAP4, VPIM, Octel® OctelNet™ and Amis

Trunks

Private networking protocols

- Alcatel-Lucent ABC
 - User feature transparency
 - Network-wide management
 - Network-wide routing
 - Centralized applications
- IP
 - ABC based on enhanced QSIG (tunneling) and H.323 for VoIP
 - SIP, H.323v2
 - ABC VPN for networking over ISDN/PSTN network
- TDM
 - ABC
 - QSIG BC, QSIG GF, DPNSS

Security

Global security certification

- Common criteria EAL2+

Authentication

- Local, RADIUS, LDAP authentication
- NTLM Single Sign-On (My IC Desktop)^{1,4}
- IEEE 802.1X MD5/TLS (IP Touch)

Traffic filtering

- OmniPCX Enterprise CS
 - Trusted hosts file
 - TCP wrapper function
- Client/device (IP Touch)
 - ARP spoofing protection
 - PC port switch VLAN filtering

SIP perimeter defense

- OpenTouch Session Border Controller
 - SIP deep packet inspection against SIP DoS attacks
 - Software delivery
 - Dedicated appliance: 1,000 audio or video sessions
 - Active – standby redundancy

Guest access

- OpenTouch Edge Server¹
 - Front-end server in DMZ
 - Enables guests to access OpenTouch conferences
 - Software delivery

Encryption

- SSHv2 for secure sessions (such as Telnet, FTP)
- SSLv2/v3 for secure HTTP session
- SNMP v1/v2c/v3 for complete NMS integration
- Client/device confidentiality (signaling protocol and media)
- IPSec and Secure RTP (AES 128 bits)
- Secure SIP/SRTP
 - SIP trunks

Integrity

- Media gateway and IP Touch binaries signatures

User authorization to communication services

- Call monitoring and barring
- Internal toll fraud protection by class of services

Platforms

Appliance Servers or Blade Centers

- OpenTouch Multimedia Services
 - Software distribution
 - HP® DL Appliance Server
- OmniPCX Enterprise CS
 - IBM System x® servers
 - IBM Blade Center®
 - HP ProLiant DL servers
 - HP BladeSystem

Virtualization

- VMware ESXi 5.0, vSphere 5.0

Racks

OmniPCX Enterprise RM1 (19-in. rack)

- 3 modular slots (stackable up to 3 with RM3)
- Height: 66 mm (2.60 in.)
- Width: 442 mm (17.40 in.)
- Depth: 400 mm (15,75 in.)
- Weight: 10 kg (22 lb)

OmniPCX Enterprise RM3 (19-in. rack)

- 9 modular slots (stackable up to 3 with RM1)
- Takes optimized hardware modules (and/or e-CS communications server)
- Height: 154 mm (6.06 in.)
- Width: 442 mm (17.40 in.)
- Depth: 400 mm (15.75 in.)
- Weight: 17 kg (38 lb)

OmniPCX Enterprise M2 (cabinet)

- 1 ACT 28 or 2 ACT 14
- Height: 740 mm (29.13 in.)
- Width: 570 mm (22.44 in.)
- Depth: 516 mm (20.31 in.)
- Weight: 70 kg (154.32 lb)

OmniPCX Enterprise M3 (cabinet)

- 2 ACT 28 or 4 ACT 14
- Height: 1500 mm (59.05 in.)
- Width: 570 mm (22.4 in.)
- Depth: 516 mm (20.31 in.)
- Weight: 110 kg (242.5 lb)

OmniPCX Enterprise ACT 14-in data rack format (19-in. rack)

- 48 V power supply and battery backup
- 1 ACT 14
- Height: 264.4 mm (10.41 in.)
- Width: 486.3 mm (19.15 in.)
- Depth: 383.4 mm (15.09 in.)
- Weight: 30 kg (66.14 lb)

OmniPCX Enterprise ACT 28 in data rack format (19-in. rack)

- 48 V power supply and battery backup
- 1 ACT 28
- Height: 530 mm (20.87 in.)
- Width: 486.3 mm (19.15 in.)
- Depth: 383.4 mm (15.09 in.)
- Weight: 70 kg (154.3 lb)

DECT radio

- Radio DECT/GAP
- Radio frequency range
 - 1.88 GHz to 1.90 GHz (Europe)
 - 1.91 GHz to 1.93 GHz (South America)
 - 1.92 GHz to 1.93 GHz (U.S.) with power adaptation
- Optimized Radio Base Station (IBS)
 - Six simultaneous communications
 - 2 x UA interfaces
 - Inline powered

- Advanced Radio Base Station (RBS)
 - 12 simultaneous communications
 - Dedicated DECT8 board
 - External power supply
 - Outdoor versions
- 4080 IP DECT Access Point
 - 11 simultaneous communications per AP
 - 256 AP (750 project-mode)
 - POE or POE injector
 - Outdoor versions
 - DAP manager for automated configuration and handset roaming

WLAN

OmniAccess WLAN access points and WLAN controllers

- IEEE 802.11a/b/g/n
- IEEE 802.11i
- Radio frequency range
 - 2.4 GHz to 2.4835 GHz (“b” and “g”)
 - 5.150 ~ 5.250 GHz (low band)
 - 5.250 ~ 5.350 GHz (mid band)
 - 5.470 ~ 5.725 GHz (Europe)
 - 5.725 ~ 5.850 GHz (high band)

Automated radio coverage

- Dynamic RF management for AP channel power and channel optimal setting
- Self-healing around failed access points

Wireless security

- WEP, WPA, WPA-PSK, WPA2 and WPA2-PSK
- Integrated stateful firewall
- Rogue access point detection and containment
- Wireless IDS/IPS

Quality of service

- Standardized
 - Over-the-air QoS: 802.11e
 - WMM (EDCA)
 - 802.11e Power Save (U-APSD)
 - 802.11e Traffic Specification (TSPEC)
- SRP mode
- Connection Admission Control with graceful load balancing
- 802.1p DiffServ marking

Call persistency

- Proxy mobile IP for Layer 3 handover
- Fast handover - WPA2 opportunistic key caching
- Voice-aware scanning
- Voice-aware 802.1x re-authentication

Telephony protocols

- Alcatel-Lucent OmniPCX (NOE)
- SIP

International directives

- EC Directives
- 94/9/EC: ATEX
- 1999/5/EC: R&TTE
- 1999/519/EC: SAR
- 2002/95/EC: ROHS
- 2002/96/E: WEEE
- 2004/108/EC: EMC
- 2005/32/EC: Ecodesign
- 2006/95/EC: LVD

Safety

- IEC 60950-1
- UL 60950-1

SAR

- Cenelec EN50360
- Cenelec EN50385
- FCC OET 65 and IEEE 1528

EMC

- IEC-CISPR22 Class B
- Cenelec EN55022 Class B
- FCC Part 15B
- IEC-CISPR24
- Cenelec EN55024
- IEC-EN61000-3-2
- ETSI-EN 301 489-06: DECT
- ETSI-EN 301 489-17: Bluetooth and WLAN

Radio

- ETSI EN 300 328: 2.4 GHz
- ETSI EN 301 893: 5 GHz
- ETSI EN 301 406: DECT
- FCC Part 15 Subpart C and D

EX environment

- Cenelec EN 60079-0
- Cenelec EN 60079-11

Miscellaneous environments

- Cenelec EN 50121-4: Railway applications
- IEC 60945: Maritime

Environmental conditions

- ETSI - ETS 300 019 Part 1-1: Storage
- ETSI - ETS 300 019 Part 1-2: Transportation
- ETSI - ETS 300 019 Part 1-3: In Use

Telecom

- ETSI EG 201 121
- ETSI ES 203 021
- ETSI TBR 021, 010, 022, 003, 033, 004, 034, 008, 038
- ITU-T H.323
- FCC Part 68
- Canada CS03

Over voltage and over currents

- ITU-T K.21, K.22

¹ This feature requires both OmniPCX Enterprise CS and OpenTouch Multimedia Services.

² This feature requires OmniVista 8770 NMS.

³ My IC Phone requires both OmniPCX Enterprise CS and OpenTouch Multimedia Services except when deployed in specific industries and verticals, such as hospitality, where only OmniPCX Enterprise CS is required.

⁴ This feature requires both OmniPCX Enterprise CS and OpenTouch Multimedia Services or OmniTouch 8400 Instant Communications Suite.

⁵ Contact an Alcatel-Lucent representative for details.