

# Alcatel-Lucent ECS

EXTENDED COMMUNICATION SERVER | RELEASE 4.2

The Alcatel-Lucent Extended Communication Server (ECS) offers an innovative approach to convergence for small- and medium-sized businesses (SMBs), and serves as a simple solution for information management and communications that is easy to deploy and administer. The ECS is a solution that transforms the way small and medium enterprises communicate by delivering fully integrated communication, collaboration and mobility solutions that are scalable, reliable and cost-effective.



Extended Communication Server Compact Edition



Extended Communication Server Premium Edition

When used with the Alcatel-Lucent OmniPCX Office, the Alcatel-Lucent Extended Communication Server provides SMBs with a rich communication experience offering all the benefits of voice/data convergence:

- One number
  - Single number for business telephony and fax
  - Fixed mobile convergence
- Rich presence driven services
  - Telephony status
  - Presence availability

- Multimodal communications
  - More than “just telephony”
  - Messaging – IM, e-mail, fax
- Ubiquity
  - Anytime, from anywhere and on any device
  - User choice and control

As a global solution, the Alcatel-Lucent ECS provides SMBs with collaboration and communication services for workers across the enterprise, especially those on the move.

Figure 1. Multimodal Communication Companion (MCC) office



Figure 2. Multimodal Communication Companion (MCC) iPhone



## Technical specifications

### Collaboration

#### **Multimodal Communications Companion (MCC) office**

- Includes comprehensive multimodal communications capabilities to allow business continuity:
  - User presence and telephony status
  - Telephony forward options
  - User profile management
  - Contact/company search
  - My favorite contacts
  - My communications
  - Event alert management on incoming communications (IM, calls)
  - Features in communications

#### **Virtual desktop**

- Authenticated and secure access from a browser (AES-256 bit SSL)
- User interface languages (English, French, German, Polish, Portuguese, Norwegian, Spanish, Dutch, and Italian)
- E-mail
- Shared contacts
- Shared calendars
- Tasks list
- Shared files
- Internet bookmark management (personal, groups, importing capability)
- News: Groups, enterprise
- Search engine: Document indexing, e-mail, contacts, calendar, files

#### **Outlook® Connector**

- ECS contacts, calendar and tasks, synchronized with Microsoft Outlook® 2003 and 2007 (secured connection)
- Selection of items to be synchronized: Contacts, calendar, tasks
- Use in connected and disconnected mode
- Automatic or manual synchronization

#### **Fax server**

- Fully integrated solution: User and administration interface
- Integration of fax service using OmniPCX Office SIP capabilities: No dedicated additional hardware is required (except VoIP resources in OmniPCX Office)

- Web mail: Unique interface for e-mail and faxes
- Full software fax server
- Fax2mail
- Mail2fax
- Print2fax

### Mobility

#### **Multimodal Communications Companion (MCC) iPhone**

- A real integrated iPhone application available on App Store:
  - Dial by name field on ECS contacts and iPhone contacts
  - List of contacts, buddy list, rich presence
  - Telephony settings
  - E-mails
  - Agenda
  - Configuration and settings
  - Features in conversation

#### **Mobile virtual desktop interface**

- Secured access from mobile devices (PDA, smartphones and mobiles)
  - WAP 2.0
  - AES-256 bit SSL
- User interface languages (English, French, German, Polish, Portuguese, Norwegian, Spanish, Dutch, and Italian)
- E-mails (send/receive, composition, transfer, answer)
- Shared contacts
- Shared calendars

#### **Push mobile**

- ECS e-mail and groupware (contacts, diary, tasks list) synchronized with PDA or smartphones over the air (push mode)
- Supported platforms: Microsoft Windows® Mobile 6.x
- Easy deployment and remote monitoring of mobile devices
- Secured connection between the server and the device (encrypted data)

### Unified communication

#### **Setting phone parameters through virtual desktop and mobile virtual desktop**

- Call forwarding management to voice mail, to a number, to a personal assistant

- Unified message system
  - Voice mail in e-mail
  - Call notification e-mail
- Direct call from a contact card
- Free VoIP communications over Internet
  - Free remote worker
  - Web accessibility
  - Peer-to-peer communication

### IT services

#### **Mail server**

- E-mail protocols: SMTP, POP and IMAP with TLS support
- Filtering of message content

#### **Security and network**

- Routing, DHCP, DNS servers
- QoS management (enhancement)
- Firewall
- VPN IPSec and PPTP
- Certificate, private key management (authorities, users, services)

#### **System**

- Base directory on LDAP V3
- Control panel (statistics, alerts, log)
- Back up and restore
  - Total and incremental
  - Storage device selection

#### **Sharing of files and printers**

#### **Web hosting**

#### **Web-based management**

### Hardware

The ECS is based on Linux servers. Three different hardware platforms are available, which provide the same level of service and features with different capacity ranges depending on an enterprise's requirements (for example, number of employees or level of traffic)

#### **Extended Communication Server Compact Edition**

Fanless desktop platform for companies of up to 25 employees

- 512 Mb RAM
- 1x160 Gb HDD SATA 7200 rpm
- 2 Ethernet cards 10/100 Mb/s
- Third Ethernet card
- 2 PCI slots
- 4 USB 2.0 ports
- 1 console port
- 1 VGA port
- 1 parallel port

### Electrical power supply

- Consumption: 80W – Voltage: 100-240 V (50/60 Hz)

### Operating conditions

- Temperatures: 5°C to 40°C operating/-40°C to +65°C storage
- Relative humidity without condensation: 20% to 80°C operating/5% to 95°C storage
- European Safety Standards: EN 55024 Edition 98, EN 55022 Classe B Edition 94, EN 61000-3-2 Edition 00, EN 61000-3-3 Edition 95

### Hardware characteristics

- Dimensions: 38.7 cm x 34.5 cm x 6.6 cm

#### **Extended Communication Server Premium Edition**

Powerful and high performance platform for SME/SMB of up to 250 employees

- Processor Intel Core 2 Duo E6320
- Chipset Intel E3000 (Mukilteo-2)
- 2 Gb DDR2-667 SDRAM
- 3x HDD 500 Gb hot swap SATA-2
- 3x network Gigabytes interfaces
- Graphical function ATI ES1000
- DVD-ROM slim line
- Alim. 300 Watts
- Black front cover

### Electrical power supply

- Consumption: 300W – Voltage: 100-240 V (50/60 Hz)

### Operating conditions

- Temperatures: 10°C to 35°C operating/-40°C to +70°C storage
- Relative humidity without condensation: 8% to 90% operating/5% to 95% storage
- European Safety Standards: EN 55024 Edition 98, EN 55022 Classe B Edition 98, EN 60950 BT

### Hardware characteristics

- 1U appliance rackable in a 19-in. or 21-in. bay
- Dimensions: 50.4 cm x 43.8 cm x 4.3 cm

### Environment

The hardware is ROHS compliant: Restriction of certain hazardous substances in electrical and electronic equipment