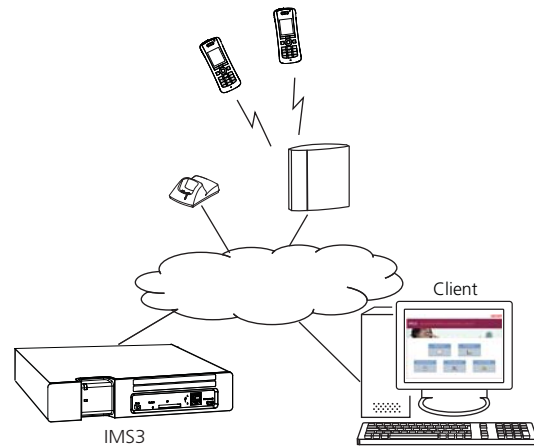# ascom

Integrated Wireless Messaging & Services – IMS3

Features

- Software application for managing devices such as handsets, chargers, and fixed IP DECT devices
- Remote management via IP communication, directly or via the built-in PPP server
- SMS handset to handset
- PTT (Push-to-Talk)
- Web-based tool for sending messages
- Central phonebook
- Fault logging
- Programmable fault actions
- Group handling
- Easily configurable alarm handling
- Messaging protocols ESPA, TAP & Ascom Line Protocol
- Support for module redundancy
- Web access
- IP based Open Access Protocol (OAP) for messaging from external systems and handset alarm to external systems
- Expansions possible with Ascom Unite modules and System 900 modules
- Runs on the Elise3 hardware

Technical Specifications

Hardware Requirement

Elise3	For technical specifications, refer to Data Sheet for Elise3 Hardware TD 92678GB

Computer Requirements

Installation and administration:	Windows Internet Explorer® (versions: 8.0 and 9.0) Mozilla Firefox® (versions: 3.6 up to 12.0) Sun™ Java™ Runtime Environment (JRE) 6
Remote management client:	Windows XP®, Windows Vista®
User interface (GUI) modification:	Any HTML or text editor
Client browser:	Windows® Internet Explorer® (versions: 8.0 or 9.0) Mozilla Firefox® (versions: 3.6 up to 12.0) Java applets have to be enabled for messaging status, Device Management and activity log viewer.
Screen resolution:	Minimum 1024 x 768 pixels

Language

Installation GUI:	English only
Operational GUI:	English as standard, translations can be added

Storage Capacity

| Max. storage on FTP area: | 150 MB |
| | Default 50 MB but can be set in the interval from 5 MB up to 150 MB |

Variants[1]

FE3-E1AAAA	Elise3 Lite (EU) including preinstalled IMS3 software
FE3-E1AAAB	Elise3 Lite (US/CA/AUS/NZ) including preinstalled IMS3 software[2]
FE3-E1ABAA	Elise3 Standard (EU) including preinstalled IMS3 software
FE3-E1ABAB	Elise3 Standard (US/CA/AUS/NZ) including preinstalled IMS3 software

Standard License

| FE3-E1ALAS | Includes interfaces to DECT and WiFi systems, built-in phonebook, Central phonebook support, SMS between handsets, Basic web messaging tool and group handler. |

Optional Licenses

FE3-E1ALAA	License for Basic Alarm Manager for message and alarm handling
FE3-E1ALAN	License for NetPage
FE3-E1ALAP1	License for External Carrier systems interface (ESPA 4.4.4/ Ascom Line protocol/URL Messaging protocol/TAP interface) for incoming pagings from external systems
FE3-E1ALAP2	Support for standard OAP (Open Access Protocol), with basic messaging and alarm
FE3-E1ALAP3	Support for advanced OAP (Open Access Protocol), with interactive messaging, user data and alarm.
FE3-E1ALAM1	Centralized Management for up to 100 devices
FE3-E1ALAM2	Centralized Management for up to 500 devices
FE3-E1ALAM3	Centralized Management for up to 1000 devices
FE3-E1ALAM4	Centralized Management for up to 2500 devices
FE3-E2xxxxx	License for enabling of module redundancy.

Accessories (not included)

660356:	Adapter (RJ45 to D-sub9F)
190269A:	Cable set for connection and remote management of Ascom DCT1800-GAP, DCT1800-S and DCT1900[3]
660375:	Cable set for connection and remote management of Aastra BusinessPhone[3]
541479:	RS232 cable for direct line to PC (RMC)
541480:	RJ45 cable adapter for connection to a Central Unit in System 900
Secure Digital memory card (not included in Ascom's assortment)	All Industrial Grade 1 GB to 8GB capacity are supported. Used to store configuration/data of the Unite module with redundancy activated.
RS232 Data Splitter (not included in Ascom's assortment)	All data splitters are supported. Used for connection of equipment via serial interface to two IMS3s configured with redundancy.

1. All licenses, including the base license, must be ordered separately
2. The Elise3 Standard module is required for connection to System 900 and RS232 connection to DECT system
3. Requires adapter 660356 (RJ45 to D-sub9F)

Specifications are subject to change without notice.

License Specification

FE3-E1ALAS, Standard license

Central Phonebook

Phonebook source:	Internal database External database via LDAPv3 connection Aastra CMG Server
Number of entries:	500 (editable) or 2000 via CSV file import (view only)
Supported protocols:	LDAP and ODBC[1]
Supported LDAPv3 servers :	Active Directory® in Windows 2000 Server Active Directory® in Windows Server 2003
No. of entries in an LDAP server:	Depends on the LDAP server used

Group Capacity

Max. No. of groups:	30 with up to 15 users and 1 with up to 50 users

Time synchronisation

Time server ability:	Yes, can act as NTP server
Automatic daylight saving adjustment:	Yes
Date and time format:	Adjustable to commonly used formats
Time sources:	Central Unit in System 900 NTP server (NTPv4 compatible with NTPv2 and NTPv3) Other Unite module with time server ability Local clock

Messaging

	Max. messages / hour:
Ascom IP-DECT system	12000
Ascom VoWiFi system:	12000
Aastra MD Evolution, Aastra MX-ONE:	4000
Aastra MD110:	3600
Ascom DCT1800-GAP, DCT1800-S, DCT1900, EMN, Aastra BusinessPhone and Ascotel:	1800
Supported message character encoding:	SMS Standard Latin-1 UTF-8

One DECT system and an Ascom VoWiFi system can run simultaneously

Web Message Tool functionality

Sending one-way messages to single handsets

Remote Management

Supported configuration tools:	WinBK, TIP, CSM

System 900

Max. No. of A-bus modules[2]:	15

Fault Handling

Fault logging:	Centralized system fault log with the latest 1000 entries

1. Additional Windows XP application required (free of charge)
2. IMS3 used as bus controller in System 900, i.e. not connected to a Central Unit.

Specifications are subject to change without notice.

Activity Logging

Exported log data format:	Text messages to Syslog Server

Carrier System Interface

Supported DECT systems:	Ascom DCT1800-GAP, DCT1800-S, DCT1900, Aastra BusinessPhone and Aastra MD Evolution connected via serial port (cable for connection to modular jack RJ45 needed)[1]. Ascom EMN, Aastra MX-ONE/MD110 and Ascotel (I6 and I7) connected via Ethernet.
Supported IP-DECT system:	Ascom IP-DECT connected via Ethernet
Supported VoWiFi system:	Ascom VoWiFi System
Supported Paging system:	Ascom Paging connected via A-bus/system 900-bus (can act as master or slave)

FE3-E1ALAA, Basic Alarm Manager

Triggers:	Input activity from Elise3 and System 900 inputs Data from portables Alarm from portables
Max. No. of triggers:	250
Actions:	Messages with information about user identity, alarm type and description. Activation of Elise3 and System 900 outputs
Max. No. of actions:	250
Location:	Information about nearest base station location can be included in messages.
Broadcast:	Messages can be broadcasted, i.e. sent to all users in one transmission.

FE3-E1ALAN, NetPage Advanced Web-based messaging tool

Groups:	30 common groups with 50 call numbers each, max. 60 kB in total. 1-20 local groups depending on group size, max 7 kB in total.
Messages:	30 messages, max. 20 kB in total 30 local messages, max. 4 kB in total[2]
My groups:	Only accessible from the users own PC. Requires cookies to be enabled. Approx. 10 groups per user

FE3-E1ALAP1, Serial Interface Inbound

Supported protocols:	ESPA 4.4.4 Ascom Line protocol TAP 1.8 URL protocol
Max. messaging capacity:	4000 messages / hour for each port
Automated calls via URL:	Yes

FE3-E1ALAP2, Open Access Protocol (OAP) Basic messaging and alarm

Includes:	Messaging to handsets and alarm from handsets

1. Requires Elise3 Standard module
2. Cookies have to be enabled.

Specifications are subject to change without notice.

FE3-E1ALAP3, Open Access Protocol (OAP)	Interactive messaging, user data and alarm
Includes:	Interactive messaging, user data and alarm

FE3-E1ALAM1, Device Management	
Max. No. of devices:	100 (Both handsets and networ k connected chargers are counted in the maximum number of devices)
Ascom IP-DECT/Ascom VoWiFi support:	"Over-the-air"
Other DECT systems support:	Via network connected desktop chargers or charging rack
Features: (depending on handset type)	-Overview of all devices -Configuration of handsets -Configuration of chargers (connected via network) -Templates for common sett ings for several or all devices -Software upgrade (can be sch eduled to specific date and time). -Backup of individual settings, including contact list -Download of company phonebook and contact list to handset -Download of language file to handset (for additional handset languages) -Simultaneous handling of multiple devices -License handling for devices (upgrading devices, moving licenses) -Automatic baseline setting (language, template, SW version)

FE3-E1ALAM2, Device Management	
Max. No. of devices:	500

FE3-E1ALAM3, Device Management	
Max. No. of devices:	1000

FE3-E1ALAM4, Device Management	
Max. No. of devices:	2500

FE3-E2xxxxx [1], Module Redundancy	
Max. No of devices:	2

1. "FE3-E 2xxxxx Module redundancy" can only be used in combination with a license with article number FE3-E1xxxxx. For example; to order module redundancy for "F E3-E1ALAS Standard license",the article number for module redundancy license will be "FE3-E2ALAS".

Specifications are subject to change without notice.