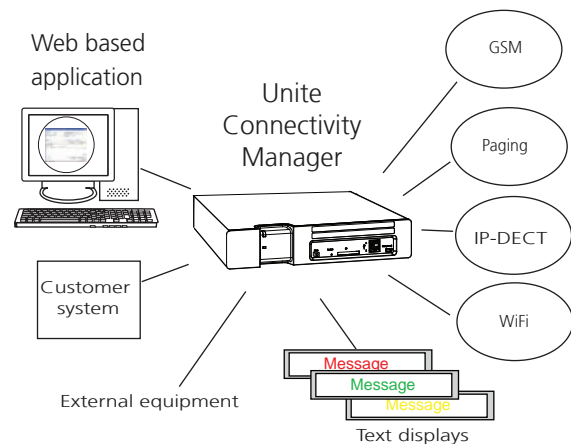


## Unite Connectivity Manager

### Features

- Web-based tool for sending messages
- SMS handset to handset
- PTT (Push-to-Talk)
- IM (Interactive Messaging)
- Central phonebook
- Software application for managing devices such as handsets and chargers. Includes:
  - Configuration of devices
  - Scheduled upgrade of device software
  - Database for storing of all device settings including Contacts
- Multi-site number plan
- Module redundancy
- Cisco External Carrier Gateway (ECG)
- Support for:
  - sending SMTP Mail
  - sending messages to external Text displays
  - connection to Alarm Management Client (AMC)
- Remote management via IP communication, directly or via the built-in PPP server
- Activity- and Fault logging
- Programmable fault actions
- Group handling, User teams and Work shifts
- Easily configurable alarm handling
- Advanced event handling
- Duty Assignment for optimal resource utilization
- Action Assignment for advanced notification rules
- IP based Open Access Protocol (OAP) for communication with external equipment
- Support for customized Java applications
- Messaging protocols ESPA, TAP & Ascom Line protocol
- Possibility to sent fault to Ascom Remote Center
- Expansions possible with other Unite modules and System 900 modules
- Web access



## Technical Specifications

### Hardware Requirement

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

### PC Requirements

Installation and administration: Windows® Internet Explorer® 8.0 or later  
 Mozilla Firefox® 3.6 or later  
 Sun™ Java™ Runtime Environment (JRE) 6 or later

Remote management client: Windows XP®, Windows Vista®

User interface (GUI) modification: Any HTML or text editor

Client browser: Windows® Internet Explorer® 8.0 or later  
 Mozilla Firefox® 3.6 or later  
 Java applets have to be enabled for messaging status and activity log viewer

Screen resolution: 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: 200 MB  
Default 50 MB but can be set in the interval from 5 MB up to 200 MB

## Variants

Including hardware, product label and software

FE3-C1AAAA	Unite Connectivity Manager, Elise3 Lite (EU/EFTA)
FE3-C1AAAB	Unite Connectivity Manager, Elise3 Lite (UK, NA, AU/NZ)
FE3-C1ABAA	Unite Connectivity Manager, Elise3 Standard (EU/EFTA)
FE3-C1ABAB	Unite Connectivity Manager, Elise3 Standard (UK, NA, AU/NZ)

## License for Unite Connectivity Manager – Compact BASE

FE3-C1ALCBAS Base license for Unite Connectivity Manager (Unite CM) Compact, including 10 Messaging users and management of up to 20 devices in Device Management.

### User License:

FE3-C1ALCU10 Unite CM Compact license for number of messaging users in the system - available in steps of 10 users up to a maximum of 100. Management of up to 20 devices are enabled in Device Management for each 10 Messaging users.

### Additional License options:

FE3-C1ALCDM	Unite CM Compact license for Device Management Enables device management for up to 2 000 devices regardless of no. of licensed users.
FE3-C1ALCEC	Unite CM Compact license for External Carriers. ESPA/TAP output interface, GSM modem interface and Text Displays over IP.
FE3-C1ALCAL	Activity Logging for 30 clients and XML export of Activity Log.
FE3-C1ALCOAP	Unite CM Compact license for Advanced Developer, OAP (OAPv4).
FE3-C1ALCJVM	Unite CM Compact license for Java Virtual Machine (JVM).
FE3-C1ALCEH	Unite CM Compact license for Advanced Event Handler.
FE3-C1ALCMG	Unite CM Compact license for SMTP Mail Interface – SMTP in/out
FE3-C1ALCDAC	Unite CM Compact license for Duty and Event Assignment Clients - available in steps of 1 client up to a maximum of 25 clients.
FE3-C1ALCAMC	Unite CM Compact license for Alarm Management Clients, AMC's - available in steps of 1 client up to a maximum of 10 clients.
FE3-C1ALCL50	Unite CM Compact license for Monitor Locations - available in blocks of 50 locations up to a maximum of 2000 locations.
FE3-C1ALCECG	Unite CM Compact license for Cisco External Carrier Gateway (ECG)
FE3-C2ALCxxx	Unite CM Compact license for Redundancy

## License for Unite Connectivity Manager – Enterprise BASE

FE3-C1ALEBAS Base license for Unite Connectivity Manager (Unite CM) Enterprise, including 10 Messaging users and management of up to 20 devices in Device Management.

### User Licenses:

FE3-C1ALEU10 Unite CM Enterprise license for number of messaging users in the system - available in blocks of 10 users up to a maximum of 10 000 users. Management of up to 20 devices are enabled in Device Management for each 10 Messaging users.

*Specifications are subject to change without notice.*

FE3-C1ALEUL	Enterprise 10 users (in blocks of 10), minimum order quantity: 50 users
FE3-C1ALEUC	Enterprise 10 users (in blocks of 10), minimum order quantity: 100 users
FE3-C1ALEUD	Enterprise 10 users (in blocks of 10), minimum order quantity: 500 users

*Additional License options:*

FE3-C1ALEDM	Unite CM Enterprise license for Device Management Enables device management for up to 2 000 devices regardless of no. of licensed users.
FE3-C1ALENP	Unite CM Enterprise license for Advanced Web Messaging Tool, NetPage Advanced web messaging.
FE3-C1ALEBAM	Unite CM Enterprise license for Basic Alarm Manager - I/O Handler
FE3-C1ALESI1	Unite CM Enterprise license for Serial Interface inbound, TAP, ESPA and Ascom line protocol
FE3-C1ALESO	Unite CM Enterprise license for Serial Interface outbound - third-part paging via TAP/ESPA.
FE3-C1ALEGMI	Unite CM Enterprise license for GSM Modem interface
FE3-C1ALETD	Unite CM Enterprise license for Text Displays over IP
FE3-C1ALEAL	Unite CM Enterprise license for Activity Logging - for 30 clients and XML export of Activity Log.
FE3-C1ALEOAP	Unite CM Enterprise license for Advanced Developer, OAP (OAPv4).
FE3-C1ALEJVM	Unite CM Enterprise license for Java Virtual Machine (JVM).
FE3-C1ALEEH	Unite CM Enterprise license for Advanced Event Handler.
FE3-C1ALEMG	Unite CM Enterprise license for SMTP Mail Interface – SMTP in/out
FE3-C1ALEDAC	Unite CM Enterprise license for Duty and Event Assignment Client - available in steps of 1 client up to a maximum of 25 clients.
FE3-C1ALEAMC	Unite CM Enterprise license for Alarm Management Clients, AMC's - available steps of 1 client up to a maximum of 10 clients.
FE3-C1ALEL50	Unite CM Enterprise license for Monitor Locations - available in blocks of 50 locations up to a maximum of 2000 locations.
FE3-C1ALEECG	Unite CM Enterprise license for Cisco ECG
FE3-C2ALExxx	Unite CM Enterprise license for Redundancy

**License for Unite Connectivity Manager – Enterprise Extension BASE**

FE3-C1ALEEXT	Base license for Unite Connectivity Manager (Unite CM) Extension. NOTE: The Extension BASE license cannot be used stand-alone. The module must be connected to a Unite CM Compact or Enterprise. The Extension Base license includes SMS, Location, Multicast, Broadcast, Basic Web Message Tool, Remote Management Client, Carrier System Interface1, Messaging groups, OAP basic one-way messaging, System Survey, Supervision, Fault handling, Activity Logging for 1 client.
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*Additional License options:* See "Additional License options" under Unite CM Enterprise BASE

**Accessories (not included)**

180714:	Adapter (RJ45 to D-sub25F) for connection to modem
660356:	Adapter (RJ45 to D-sub9F)
190269A:	Cable set for connection and remote management of Ascom DCT1800-GAP, DCT1800-S and DCT1900
R190303A:	Cable set for connection and remote management of Aastra BusinessPhone

*Specifications are subject to change without notice.*

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)	<i>Verified SD Card(s):</i> Industrial Grade 1 GB capacity or greater (manufacture: Xmore or NETLIST)
RS232 Data Splitter (not included in Ascom's assortment)	<i>Verified Data Splitter(s):</i> Modem Data Splitter 9PDMS (manufacture: B&B Electronics) Used for connection of equipment via serial interface to two Unite CMs configured with redundancy.

*Specifications are subject to change without notice.*

## License Specifications

	Unite CM - Compact BASE Licenses	Unite CM - Enterprise BASE Licenses
<b>Device License</b>	<b>FE3-C1ALCU10</b>	<b>FE3-C1ALEU10</b>
Max No. of users:	100 (in blocks of 10)	10 000 (in blocks of 10)
Management of up to 20 devices are enabled in Device Management for each 10 Messaging users.	Note: a 10 user license is included in the Base licenses.	Note: a 10 user license is included in the Base licenses.
<b>BASE license</b>	<b>FE3-C1ALCBAS</b>	<b>FE3-C1ALEBAS</b>
<b>Device Management</b>		
Ascom IP-DECT/Ascom VoWiFi support:	“Over-the-air”	“Over-the-air”
Other DECT systems support:	Via network connected desktop chargers or charging rack	
Features:	<ul style="list-style-type: none"> <li>-Overview of all devices</li> <li>-Configuration of handsets</li> <li>-Configuration of chargers (connected via network)</li> <li>-Templates for common settings for several or all devices</li> <li>-Software upgrade (can be scheduled to specific date and time).</li> <li>-Backup of individual settings, including contact list</li> <li>-Download of company phonebook and contact list to handset</li> <li>-Download of language file to handset (for additional handset languages)</li> <li>-Simultaneous handling of multiple devices</li> <li>-License handling for devices (upgrading devices, moving licenses)</li> <li>-Automatic baseline setting (language, template, SW version)</li> </ul>	
Max. No. of devices:	20 – 200	20 – 2000
Simultaneous login for VoWiFi shared phones:	Login for 10 shared phones within 30 seconds Login for 100 shared phones within 5 minutes	
<b>Central Phonebook</b>		
Phonebook source:	Internal database or External database via LDAPv3 or CMG connection	
No. of entries in internal phonebook:	500 (editable) or 2 000 via csv import (view only)	500 (editable) or 2 000 via csv import (view only)
No. of entries in an LDAPv3 server:	Depends on the LDAP/CMG server used	
<b>Group Capacity</b>		
Max. No. of groups:	50 with up to 100 Call IDs and 500 with up to 10 Call IDs	
<b>Number Plan</b>		
Max. No. of messaging systems (carriers):	100	100

*Specifications are subject to change without notice.*

No. of users:	10 default can be expanded with the FE3-C1ALCU10 license	10 default can be expanded with the following licenses: • FE3-C1ALEU10 • FE3-C1ALEUL • FE3-C1ALEUC • FE3-C1ALEUD
No. of teams:	100	100

### Messaging

	Max. messages / hour:	Max. messages / hour:
Ascom IP-DECT system and VoWiFi system:	8000 <sup>1</sup>	8000 <sup>1</sup>
Aastra MD Evolution, Aastra MX-ONE:	4000	4000
Aastra MD110:	3600	3600
Ascom DCT1800-GAP, DCT1800-S, DCT1900, EMN, Aastra BusinessPhone and Ascotel:	1800	1800
Paging system:	1000	1000
Supported special characters:	Swedish, Norwegian, Danish, Finnish, and German language	

### Web Message Tool functionality

Basic:	50 with up to 100 Call IDs and 500 with up to 10 Call IDs
Location:	Information about nearest base station location can be included in messages.
Broadcast:	Messages can be broadcasted i.e. sent to all messaging users in a category in one transmission.
Multicast:	Messages can be multicasted i.e. sent to a group num- ber in a category in one transmission.

### Time synchronisation

Time server ability:	Yes, can act as NTP server	Yes, can act as NTP server
Automatic daylight saving adjustment:	Yes	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) Local clock	

### Remote Management

Supported configuration tools:	WinBK, TIP, CSM	WinBK, TIP, CSM
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### System Survey

No. of surveyed Unite modules:	100	100
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### System Supervision

Max. No. of supervised items: (Unite modules, IP equipment and physical inputs)	100	100
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1. Messaging capacity: 20000 messages / hour if Activity logging are handled by separate module.

*Specifications are subject to change without notice.*

## Fault Handling

Fault actions:	Activation of Elise3 relay Activation of Elise3 and System 900 outputs Messages with fault information E-mail with fault information SNMP traps with fault information	
No. of actions:	50	50
No. of triggers/action:	10	10
No. of messages/action:	5	5
No. of e-mail/action:	1 (multiple recipients allowed)	1 (multiple recipients allowed)
No. of SNMP traps/action:	5	5
Fault logging:	Centralized system fault log with the latest 1000 entries	

### Activity Logging with following limitations:

No. of Activity Log Viewers:	1 client at the time	1 client at the time
Exported log data format:	CSV only	CSV only

### System 900

Max. No. of A-bus modules <sup>1</sup> :	15	15
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### 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) <sup>2</sup> . 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 i75 and i62 connected via Ethernet	
Supported Paging system:	Ascom Paging connected via A-bus/system 900-bus (can act as master or slave)	

### Open Access protocol, OAP Basic

Includes:	One-way messaging	One-way messaging
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### NetPage, Advanced Web-based messaging tool

	Included in FE3-C1ALCBAS	<b>FE3-C1ALENP</b>
	30 common groups with 50 call numbers each, max. 60 kB <sup>3</sup> in total	
	30 common messages, max. 20 kB <sup>3</sup> in total	
	1-20 local groups	
	30 local messages	
Automated calls via URL:	Yes	Yes

1. Unite Connectivity Manager used as bus controller in System 900, i.e. not connected to a Central Unit
2. Requires Elise3 Standard module
3. The size can be checked up in the netpage folder on the Unite CM FTP area

Specifications are subject to change without notice.

## Alarm Handler, Basic Alarm Manager

Included in  
FE3-C1ALCBAS

**FE3-C1ALEBAM**

Triggers:	Input activity from Elise3 and System 900 inputs Data from portables Alarm from portables	
Max. No. of triggers:	250	250
Actions:	Messages with information about user identity and triggered input Initiation of a Conference call Activation of Elise3 and System 900 outputs	
Max. No. of actions:	250	250
Escalation levels:	3	3

## Serial Interface Inbound

Included in  
FE3-C1ALCBAS

**FE3-C1ALESI1**

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

## Serial Interface Outbound

**FE3-C1ALCEC**

**FE3-C1ALESO**

Supported protocol versions:	ESPA 4.4.4 TAP 1.8	ESPA 4.4.4 TAP 1.8
Max. messaging capacity		
ESPA:	1200 messages / hour	1200 messages / hour
TAP:	6000 messages / hour	6000 messages / hour

## GSM Modem Interface

Included in  
FE3-C1ALCEC

**FE3-C1ALEGMI**

Supported GSM modems: (not supplied by Ascom)	Siemens TC35/TMC35/ MC75 Ericsson GM29	Siemens TC35/TMC35/ MC75 Ericsson GM29
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## Text Displays over IP

Included in  
FE3-C1ALCEC

**FE3-C1ALETD**

Supported supplier/model:	Adaptive Corridor Display 100x7 Tri (E1130075) NCID Corridor Display <sup>1</sup>	
Supported protocol version:	Alpha sign communications protocol, Alpha 1.0 (EZ95) <sup>2</sup>	
Max No. of displays:	50	50

(typical paging with a 50 character display message)

1. See Data Sheet, Corridor Display NCID-(xx), TD 92916EN for more information.

2. Only applicable for Adaptive Corridor Display.

Specifications are subject to change without notice.

## Activity Logging

Logging capacity:	<b>FE3-C1ALCAL</b> 8000 activities / hour <sup>1</sup>	<b>FE3-C1ALEAL</b> 8000 activities / hour <sup>1</sup>
Peak capacity:	20 activities per 10 seconds	20 activities per 10 seconds
Export capacity <sup>2</sup> :	4 000 activities / hour	4 000 activities / hour
Exported log data format:	CSV and XML	CSV and XML
No. of Activity Log Viewers:	30	30
Max. No. of automatic export targets: (FTP & e-mail)	20	20
Max. storage capacity on flash:	30 000 messages	30 000 messages

## Open Access Protocol

Includes:	<b>FE3-C1ALCOAP</b> One-way messaging Manual Acknowledge Interactive Messaging (IM) User Data Alarm Location Remote Change of profile Availability Poll Location	<b>FE3-C1ALEOAP</b> One-way messaging Manual Acknowledge Interactive Messaging (IM) User Data Alarm Location Remote Change of profile Availability Poll Location
Supported OAP protocol:	OAP version 3 OAP version 4	OAP version 3 OAP version 4

## Java Virtual Machine

Includes:	<b>FE3-C1ALCJVM</b> One-way messaging Manual Acknowledge Interactive Messaging (IM) User Data Alarm Location Remote Change of profile Availability Poll Location	<b>FE3-C1ALEJVM</b> One-way messaging Manual Acknowledge Interactive Messaging (IM) User Data Alarm Location Remote Change of profile Availability Poll Location
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## Advanced Event Handler

Includes:	<b>FE3-C1ALCEH</b> Event Handler with all Unite blocks Action Handler IO Handler System 900 master XPATH support	<b>FE3-C1ALEEH</b> Event Handler with all Unite blocks Action Handler IO Handler System 900 master XPATH support
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## ASCII input

Two way data support:	Yes	Yes
TCP ports:	3 with up to 5 connections	3 with up to 5 connections
UDP ports:	3 with up to 5 connections	3 with up to 5 connections

1. 20000 activities / hour if Activity logging are handled by separate modules.

2. As export counts; FTP export, syslog export, e-mail export and export to Activity Log Viewer.

*Specifications are subject to change without notice.*

HTTP (out) connection:	HTTP settings	HTTP settings
RS232 ports:	2 (on the Elise3 hardware)	2 (on the Elise3 hardware)
Max. number of characters:	5000	5000
Multi characters start/stop conditions:	Yes	Yes

#### Data Monitor

Data Extractions:	Raw data monitoring	Raw data monitoring
	Flexible extractions of relevant information from raw data	
	Supports HL7 v2	Supports HL7 v2
	Supports XML	Supports XML

#### Duty and Event Assignment

<i>In combination with the additional FE3-C1ALCDAC license</i>	<i>In combination with the additional FE3-C1ALEDAC license</i>
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#### Alarm Management

<i>In combination with the additional FE3-C1ALCAMC</i>	<i>In combination with the additional FE3-C1ALEAMC license</i>
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#### SMTP Mail Interface

##### FE3-C1ALCMG

##### FE3-C1ALEMG

Includes:

SMTP in (receiving SMTP from mail server)  
SMTP out (sending SMTP to mail server)

Supported e-mail protocol:	SMTP	SMTP
Supported e-mail encoding:	MIME	MIME
Max. No: of simultaneous SMTP:	3	3

#### Messaging

Supported special characters:	Swedish, Norwegian, Danish, Finnish and German language	
Max. message length: <i>(longer messages will be truncated)</i>	1200	1200

#### Duty and Event Assignments Clients

##### FE3-C1ALCDAC

##### FE3-C1ALEDAC

Simultaneous clients:	Up to 25 (in steps of 1) <i>Requires the FE3-C1ALCEH license</i>	Up to 25 (in steps of 1) <i>Requires the FE3-C1ALEEH license</i>
Escalation levels:	Up to 5	Up to 5
Location layout:	Configurable	Configurable
Available users per location:	Configurable	Configurable
Unassigned event warning:	Yes	Yes
Duty assignment in other Unite CM's:	Yes	Yes

*Specifications are subject to change without notice.*

## Alarm Mangement Clients

### FE3-C1ALCAMC

### FE3-C1ALEAMC

Max. number of clients:

Up to 10  
(in steps of 1)

*Requires the  
FE3-C1ALCEH license*

Up to 10  
(in steps of 1)

*Requires the  
FE3-C1ALEEH license*

Includes:

Alarm presentation in plain text

Graphical presentation of Alarm location, the presentation on map differs dependent on location type.

Configurable user permissions

Possibility to trace user actions

All connected clients show current status

## Monitor Locations

### FE3-C1ALCL50

### FE3-C1ALEL50

Number of Duty & Event assignment locations:

Up to 2000  
(in blocks of 50)

Up to 2000  
(in blocks of 50)

*Specifications are subject to change without notice.*