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
- 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-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.

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 1000. Management of up to 20 devices are enabled in Device Management for each 10 Messaging users.
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-C1ALEUDE Enterprise 10 users (in blocks of 10), minimum order quantity: 500 users

Specifications are subject to change without notice.
Additional License options:

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-party 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-C1ALEEEH  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.

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.

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

541479:  RS232 cable for direct line to PC (RMC)

541480:  RJ45 cable adapter for connection to a Central Unit in System 900

Specifications are subject to change without notice.
### License Specifications

#### Device License

**Max No. of users:**
Management of up to 20 devices are enabled in Device Management for each 10 Messaging users.

#### BASE license

##### Device Management

Ascom IP-DECT/Ascom VoWiFi support:
“Over-the-air”

Other DECT systems support:
Via network connected desktop chargers or charging rack

**Features:**
- Overview of all devices
- Configuration of handsets
- Configuration of chargers (connected via network)
- Templates for common settings for several or all devices
- Software upgrade (can be scheduled 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)

##### Max. No. of devices:

20 – 200

Simultaneous login for VoWiFi shared phones:
Login for 10 shared phones within 30 seconds
Login for 100 shared phones within 5 minutes

### Central Phonebook

**Phonebook source:**
Internal database or External database via LDAPv3 or CMG connection

**No. of entries in internal phonebook:**
500

**No. of entries in an LDAPv3 server:**
500

**Group Capacity**

Max. No. of groups:
50 with up to 100 Call IDs and 500 with up to 10 Call IDs

### Number Plan

Max. No. of messaging systems (carriers):
100

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*Specifications are subject to change without notice.*
No. of users: 10 default can be expanded with the FE3-C1ALCU10 license

No. of teams: 100

**Messaging**

Max. messages / hour:

- Ascom IP-DECT system and VoWiFi system: 8000\(^1\)
- Aastra MD Evolution, Aastra MX-ONE: 4000
- Aastra MD110: 3600
- Ascom DCT1800-GAP, DCT1800-S, DCT1900, EMN, Aastra BusinessPhone and Ascotel: 1800
- Paging system: 1000

Max. messages / hour:

- Ascom IP-DECT system and VoWiFi system: 8000\(^1\)
- Aastra MD Evolution, Aastra MX-ONE: 4000
- Aastra MD110: 3600
- Ascom DCT1800-GAP, DCT1800-S, DCT1900, EMN, Aastra BusinessPhone and Ascotel: 1800
- Paging system: 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 number in a category in one transmission.

**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), Local clock

**Remote Management**

Supported configuration tools: WinBK, TIP, CSM

**System Survey**

- No. of surveyed Unite modules: 100

**System Supervision**

- Max. No. of supervised items: 100 (Unite modules, IP equipment and physical inputs)

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: 15 15

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)².
- 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

NetPage, Advanced Web-based messaging tool
- Included in FE3-C1ALENP
- 30 common groups with 50 call numbers each, max. 60 kB³ in total
- 30 common messages, max. 20 kB³ 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*

**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*

**Supported protocols:**
- ESPA 4.4.4
- Ascom Line protocol
- TAP 1.8

**Max. messaging capacity:**
- 4000 messages / hour for each port

**Serial Interface Outbound**

*FE3-C1ALCEC*

**Supported protocol versions:**
- ESPA 4.4.4
- TAP 1.8

**Max. messaging capacity**
- ESPA: 1200 messages / hour
- TAP: 6000 messages / hour

**GSM Modem Interface**

*Included in FE3-C1ALCEC*

**Supported GSM modems:**
- Siemens TC35/TMC35/MC75
- Ericsson GM29

**Text Displays over IP**

*Included in FE3-C1ALCEC*

**Supported supplier/model:**
- Corridor Display 100x7 Tri (E1130075)\(^1\)

**Supported protocol version:**
- Alpha sign communications protocol, Alpha 1.0 (EZ95)

**Max No. of displays:**
- 50
- 50

**Exported log data format:**
- CSV and XML

**No. of Activity Log Viewers:**
- 30
- 30

**Max. No. of automatic export targets:**
- (FTP & e-mail)
- 20
- 20

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\(^1\) For order information see Ascom Extranet.

*Specifications are subject to change without notice.*
Activity Logging

Logging capacity:
8000 activities / hour
20 activities per 10 seconds

Peak capacity:
4000 activities / hour
30000 messages

Export capacity:
4000 activities / hour if Activity logging are handled by separate modules.

Max. storage capacity on flash:
30000 messages

Open Access Protocol

Includes:
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

Java Virtual Machine

Includes:
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

Advanced Event Handler

Includes:
Event Handler with all Unite blocks
Action Handler
IO Handler
System 900 master
XPATH support

Supported OAP protocol:
OAP version 3
OAP version 4

ASCII input

Two way data support:
Yes

TCP ports:
3 with up to 5 connections

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

<table>
<thead>
<tr>
<th><strong>Data Monitor</strong></th>
<th><strong>Data Examinations:</strong></th>
<th>Raw data monitoring</th>
<th>Flexible extractions of relevant information from raw data</th>
<th>Supports HL7 v2</th>
<th>Supports XML</th>
</tr>
</thead>
</table>

In **Duty and Event Assignment**:

<table>
<thead>
<tr>
<th>Alarm Management</th>
<th>In combination with the additional FE3-C1ALCDAC license</th>
</tr>
</thead>
</table>

**SMTP Mail Interface**

<table>
<thead>
<tr>
<th><strong>SMTP Mail Interface</strong></th>
<th><strong>FE3-C1ALCMG</strong></th>
<th><strong>FE3-C1ALEMG</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes:</td>
<td>SMTP in (receiving SMTP from mail server)</td>
<td>SMTP out (sending SMTP to mail server)</td>
</tr>
</tbody>
</table>

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

**Messaging**

<table>
<thead>
<tr>
<th>Supported special characters:</th>
<th>Swedish, Norwegian, Danish, Finnish and German language</th>
</tr>
</thead>
</table>

Max. message length: 1200
(\textit{longer messages will be truncated})

**Duty and Event Assignments Clients**

<table>
<thead>
<tr>
<th><strong>Duty and Event Assignments Clients</strong></th>
<th><strong>FE3-C1ALCDAC</strong></th>
<th><strong>FE3-C1ALEDAC</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Simultaneous clients:</td>
<td>Up to 25</td>
<td>Up to 25</td>
</tr>
<tr>
<td>(in steps of 1)</td>
<td>Requires the</td>
<td>Requires the</td>
</tr>
<tr>
<td>Requires the</td>
<td>FE3-C1ALCEH license</td>
<td>FE3-C1ALEEH license</td>
</tr>
<tr>
<td>Escalation levels:</td>
<td>Up to 5</td>
<td>Up to 5</td>
</tr>
<tr>
<td>Location layout:</td>
<td>Configurable</td>
<td>Configurable</td>
</tr>
<tr>
<td>Available users per location:</td>
<td>Configurable</td>
<td>Configurable</td>
</tr>
<tr>
<td>Unassigned event warning:</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Duty assignment in other Unite CM's:</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.
## Alarm Management Clients

<table>
<thead>
<tr>
<th>FE3-C1ALCAMC</th>
<th>FE3-C1ALEAMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. number of clients:</td>
<td>Up to 10 (in steps of 1)</td>
</tr>
<tr>
<td>Requires the FE3-C1ALCEH license</td>
<td>Requires the FE3-C1ALEEH license</td>
</tr>
<tr>
<td>Includes:</td>
<td>Alarm presentation in plain text</td>
</tr>
<tr>
<td></td>
<td>Graphical presentation of Alarm location, the presentation on map differs dependent on location type.</td>
</tr>
<tr>
<td></td>
<td>Configurable user permissions</td>
</tr>
<tr>
<td></td>
<td>Possibility to trace user actions</td>
</tr>
<tr>
<td></td>
<td>All connected clients show current status</td>
</tr>
</tbody>
</table>

## Monitor Locations

<table>
<thead>
<tr>
<th>FE3-C1ALCL50</th>
<th>FE3-C1ALEL50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Duty &amp; Event assignment locations:</td>
<td>Up to 2000 (in blocks of 50)</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*