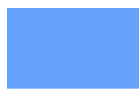


Unite CM – Technical Intro



IMS3/UniteCM Settings

**IMS3 IP Address
Used for
messaging**

- **IMS3/UCM IP Address used for messaging**
 - Messaging can be handled in one IMS3/UCM from up to 20 DECT Masters
 - Device Management can be handled in one IMS3/UCM from several Masters, up to 10000 handsets

- **Service Discovery**
 - Broadcast is used to find a IMS3
 - Only for Device Management, SMS need a static IP

The screenshot shows the 'Ascom IP-DECT Base Station' configuration window. The 'UNITE' section is selected in the left-hand menu. The 'SMS' tab is active, and the 'IP Address' field is set to '172.20.9.245'. There are 'OK' and 'Cancel' buttons below the field.

**IMS3
IP Address
Used for central
management**

Status Log

- Status Log can be distributed to the IMS3/UniteCM
- Configurable seriousness of the errors
- Level of the error:
 - Disabled
 - Information
 - Warning
 - Error, default
 - Critical
- Different fault actions can be taken depending on the level

ascom

IP-DECT Base Station

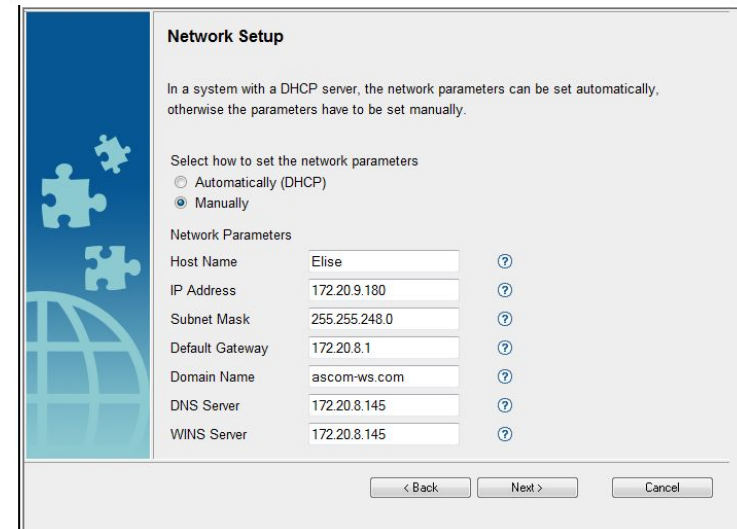
Configuration SMS Device Management Service Discovery Status Log Module Fault List

Code	UNITE Code	Description	Persistent	Seriousness
0x00010001	4-12-65537	Interface down (Gateway)	Yes	Critical
0x00010002	4-12-65538	Registration down (Gateway)	Yes	Disabled Information
0x00010003	4-12-65539	Protocol error (Gateway)	No	Warning
0x00030001	3-12-196609	The LDAP replicator is not connected (Users)	Yes	Error(default)
0x00030101	4-12-196865	CPU resources are not available (Radio)	No	Critical
0x00030201	3-12-197121	Standby master active (Master)	No	Warning
0x00030202	4-12-197122	User registration failure (Master)	Yes	Error(default)
0x00030203	4-12-197123	Emergency registration down (Master)	Yes	Error(default)
0x00030204	4-12-197124	Connection to radio lost (Master)	Yes	Error(default)
0x00030205	4-12-197125	Primary/redundant trunk is down (Master)	Yes	Error(default)
0x00030301	4-12-197377	Connection to mobility master lost (Mobility Master)	Yes	Error(default)
0x00030302	4-12-197378	Cannot establish connection to mobility master (Mobility Master)	Yes	Error(default)
0x00030303	4-12-197379	Connection to master lost (Mobility Master)	Yes	Error(default)
0x00030304	3-12-197380	Standby mobility master is active (Mobility Master)	Yes	Error(default)

Unite CM Setup Wizard Steps

- The Wizard starts automatically when you visit the Unite CM for the first time and guides you through the needed settings
 - As long as the Unite CM is not configured, the setup wizard will start when logging on from a web browser
 - Requires “admin” or “sysadmin” password

- Network setup
 - Can be set manually or via DHCP
 - A fixed IP-Address is recommended



Unite CM Setup Wizard Steps

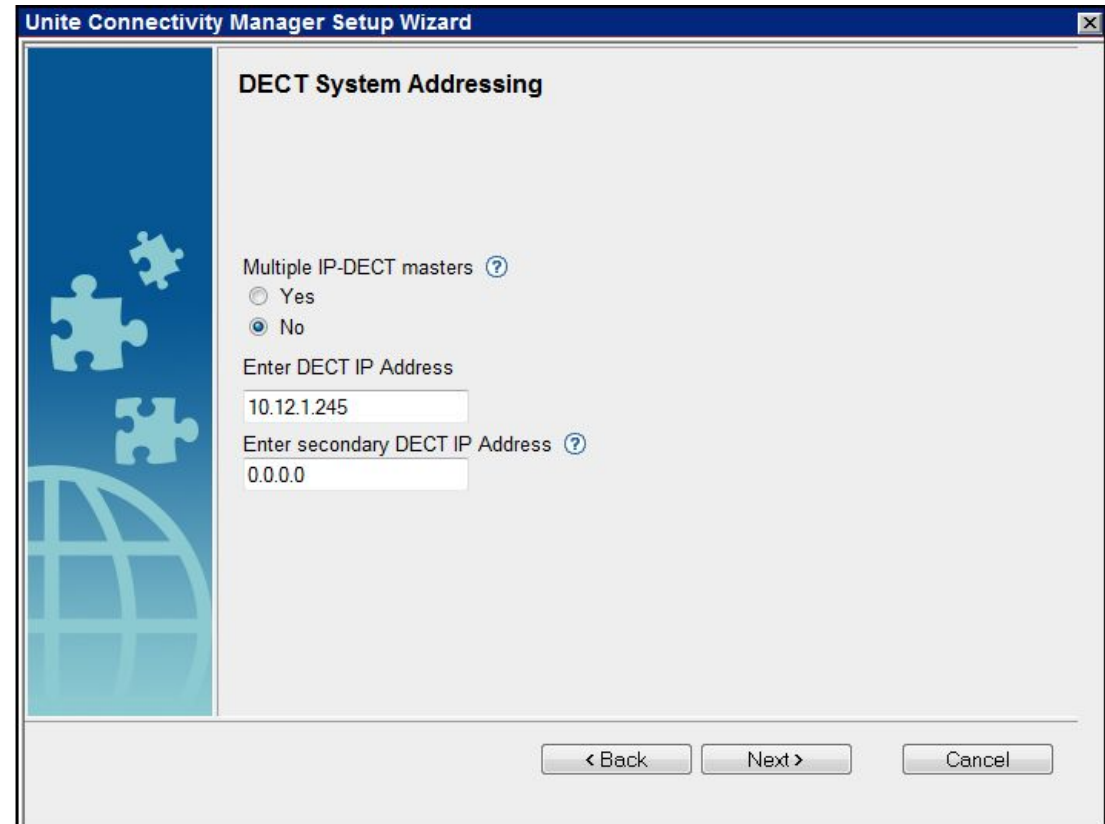
- The licence determines the functionality e.g.
 - Number of Central Management users
 - 10 to 1000
 - Web Messaging, Basic or advanced
 - Alarm Manager
 - Protocol converter
 - Line
 - ESPA 444
 - Url
 - Open Access Protocol

- Select DECT System
 - Only WiFi select None



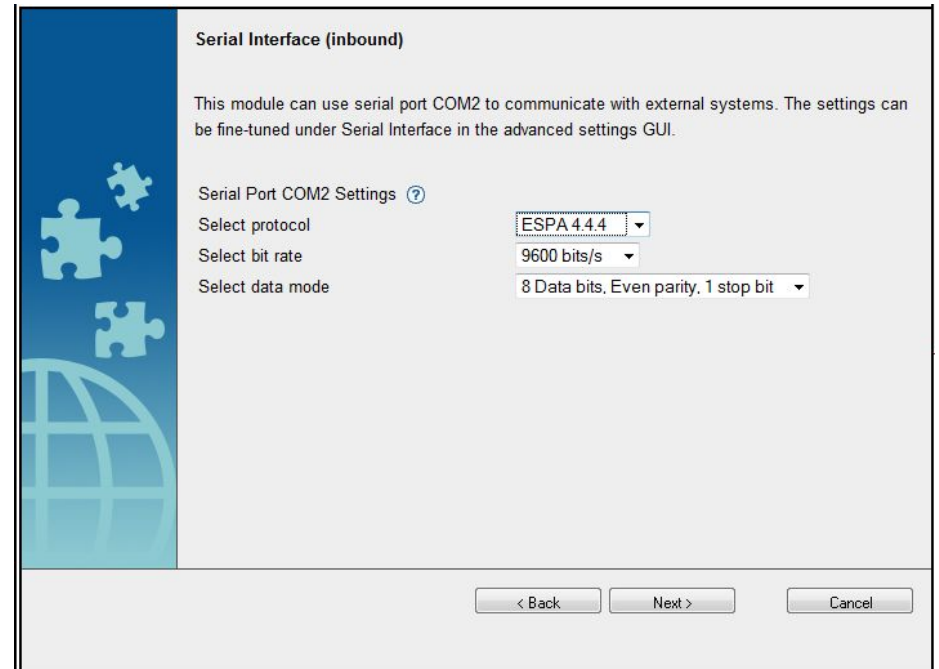
DECT System Addressing

- For a single Master system choose “No” and fill in the addresses to the Master and Standby Master
- For Multi Master system choose “Yes” and fill in the addresses to the Masters and Standby Masters in “Advanced Configuration”
 - Up to 20 Masters can be defined



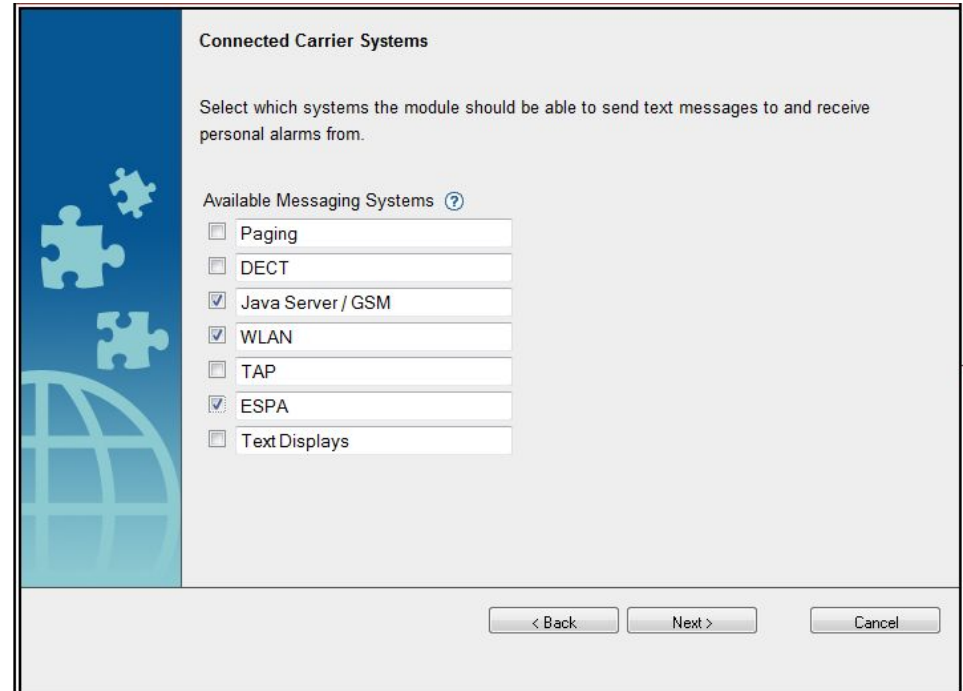
Unite CM Setup Wizard Steps

- This module can use serial port 2 to communicate with external systems
- Choose protocol ESPA 4.4.4, or Line Protocol
- The settings can be fine-tuned under Serial Interface in the advanced settings GUI



Unite CM Setup Wizard Steps

- Select Messaging Systems to be used



Unite CM Setup Wizard Steps

- Faults can be sent as a e-mail
- Enter a address of the mail server

- Date and time properties
 - For time stamps on activities
 - Can be set manually or via Time Server
 - NTP time is preferred

Mail Server

Fault information can be sent via e-mail.

Mail Server Address

The mail server is addressed either with IP address or host name. Host name requires a valid DNS. The host name can be max 50 characters long.

Enter the IP address or host name of the mail server [?](#)

Date and Time

Select how to set the time [?](#)

NTP Time Server

Enter the Time Server IP Address

Select Time Zone

(GMT+01:00) Amsterdam, Berlin, Rome, Stockholm

Adjust for Daylight Saving Time automatically

Yes No

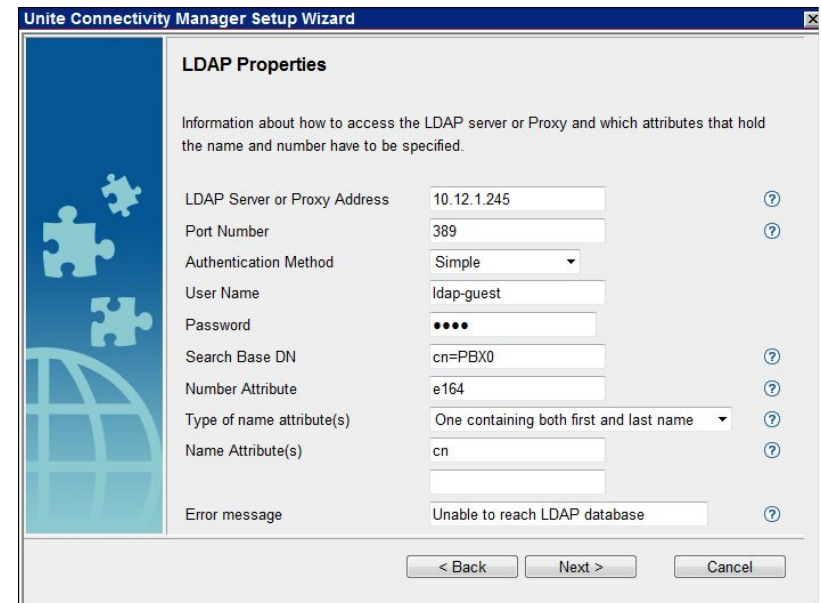
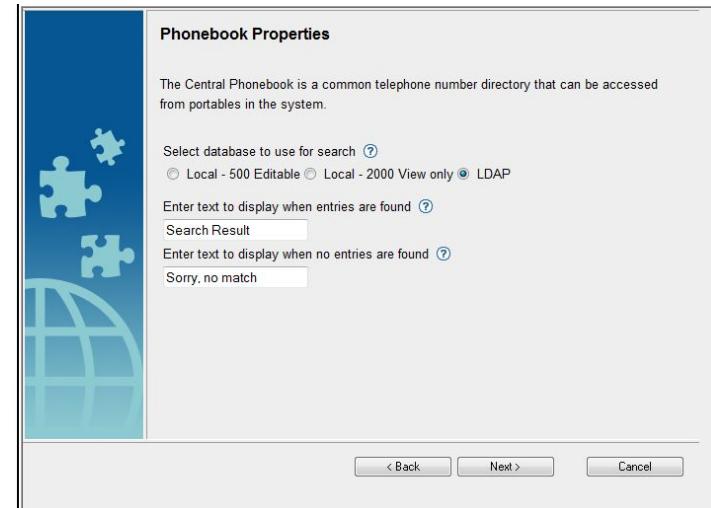
Date Format [?](#)

Time Format [?](#)

Unite CM Setup Wizard Steps

- Phonebook properties
 - Database to use when searching
 - Local phonebook on Unite CM or a LDAP server
 - Local, 500 entry's can be added and edited via GUI
 - 2000 entry's can be uploaded to Unite CM but only view the entry's, edit not possible

- When choosing search in LDAP database the LDAP properties needs to be configured



Unite CM Setup Wizard Steps

- Passwords
 - Change from default to site specific passwords

- Wizard completed
- Unite CM restarts
 - Needed for changes to take effect

Change Passwords

It is recommended to change default passwords. Leave text fields empty to keep current passwords.

Enter password for sysadmin

Change Password for: [?](#)

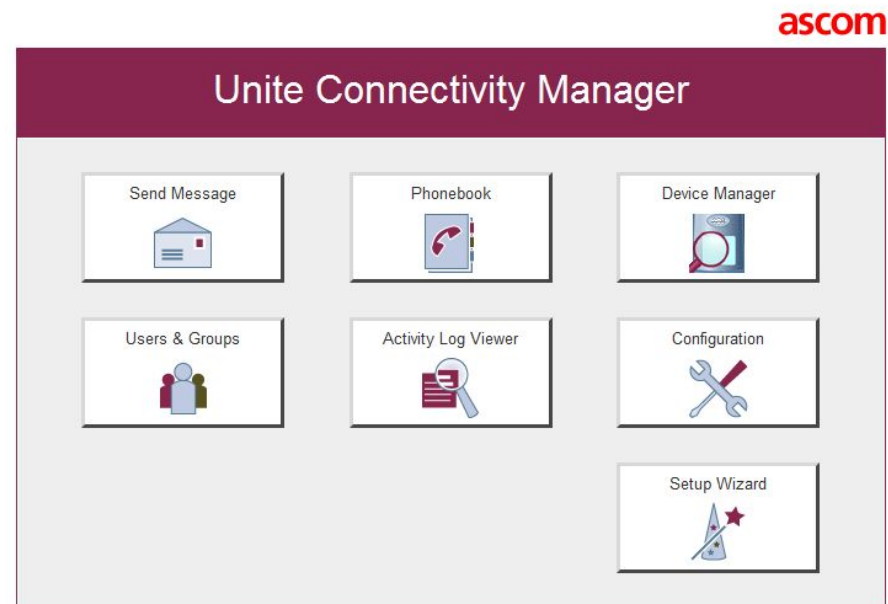
sysadmin ?	<input type="password" value="....."/>	Verify Password	<input type="password" value="....."/>
admin ?	<input type="password" value="....."/>	Verify Password	<input type="password" value="....."/>
user ?	<input type="password" value="....."/>	Verify Password	<input type="password" value="....."/>
ftuser ?	<input type="password" value="....."/>	Verify Password	<input type="password" value="....."/>

Save Settings

Press "Finish" to save settings.

Unite CM start page

- Can be customized
- Send Message
 - “Net Page” let you send a message to a handset
- Phonebook
 - Management for central phonebook onboard UCM
- Device Manager
 - Centralized management of portables
- User & Groups
 - Administer users who are using messaging and alarms
- Activity Log Viewer
- Configuration
 - A link to the Unite CM Configuration Page
- Setup Wizard
 - Run the Setup Wizard again



Send Message



- Enables sending messages from web browsers
- Support for predefined messages and groups
- Progress indication
- Customisable user interface

NetPage

To: Call ID 1234 Type: Manual ack. ▾

Receivers:

Message text:

Beep code: 2 beeps ▾ Priority: Normal ▾

Status on last message:

Message history

Call ID	Message text	Absent	Status

Administrate

Administration of Central Phonebook

- Edit the Central phonebook
- Import / Export from / to Excel files
 - *.csv format

Note!
Not used if LDAP server is used for central phonebook

Phonebook

Back to start page

Back to configuration top page

Add the page to favourites

Unite Connectivity Manager Configuration

Edit Central Phonebook

Last Name	First Name	Number
Astrand	Peter	9466

Buttons: Add, Delete all, Save, Cancel

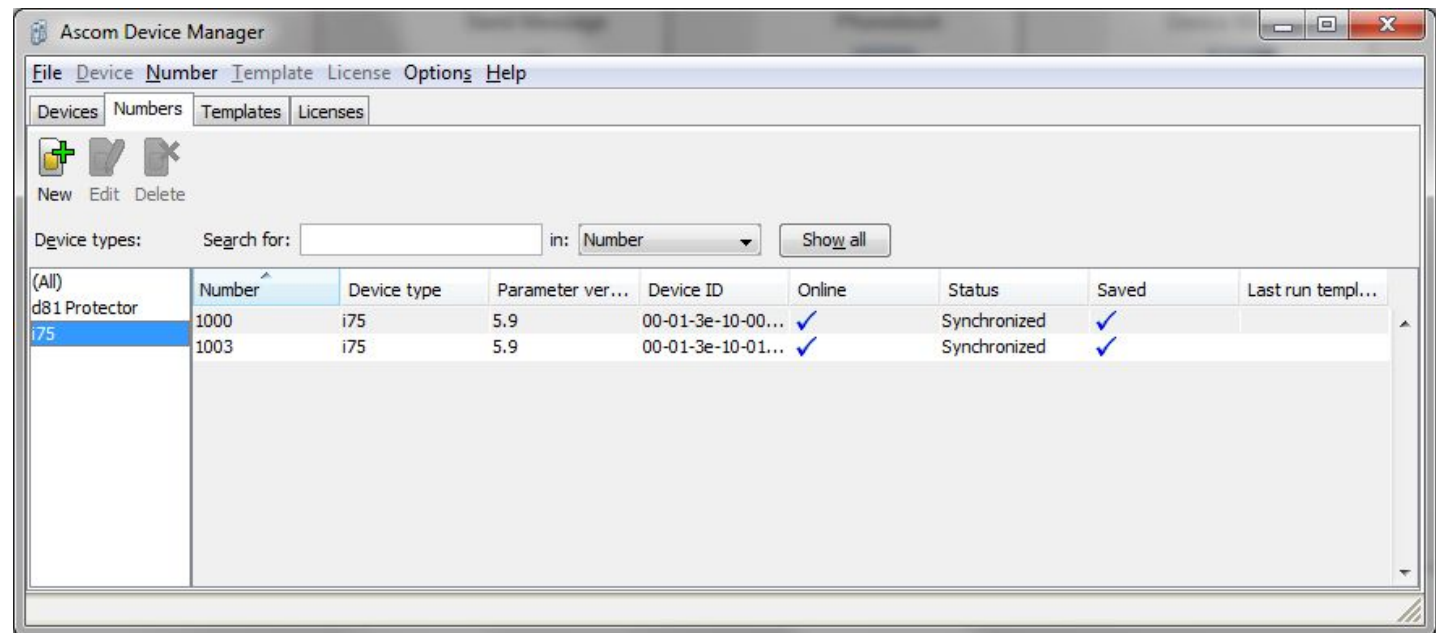
Show Messaging Users

Navigation Menu:

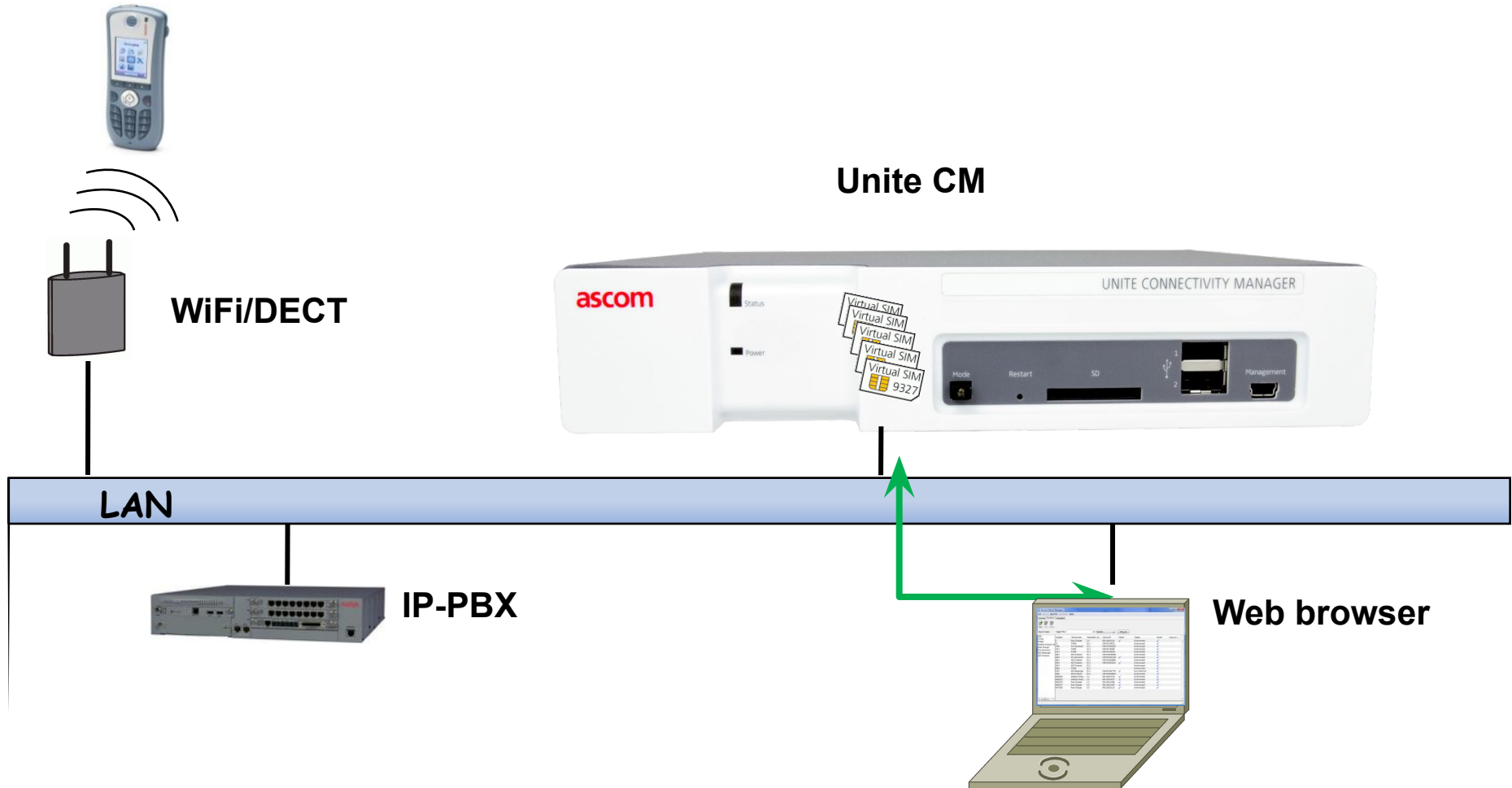
- ▼ Messaging Users
- ▼ Phonebook
 - Edit
 - Import/Export
- ▼ Alarm Handling
- ▼ Fault Handling
- ▼ Supervision
- ▼ Activity Log
- ▼ Status
- ▼ Software
- ▼ Other Settings

Device Manager over the air

- Central administration of handsets and chargers
 - Edit configuration
 - Update software



Overview Portable Device Management - OTA, Over The Air



Users and groups

- Administration of Users, portables and diversions
 - Up to 10 000 messaging users
- Before a handset can receive messages it must be defined here
- Administration of messaging groups
- Administration of User Teams
 - Authorization for Messaging and Log View rights



Unite Connectivity Manager Configuration

Users

Number of users: 4 / 1000

Last Name	First Name	Call ID	Number/Address	→ Category	Divert to Number/Address	→ Category	
a	a	1000	1000	→ WLAN	1001	→ WLAN	
b	b	1001	1001	→ WLAN			
c	c	1002	1002	→ WLAN			
d	d	1003	1003	→ WLAN			

Activity Log Viewer



- Show and administer the Activity log
- Send the log as mail or to FTP

Activity Log Viewer - Windows Internet Explorer

http://10.12.1.254/salgui/activity_log_applet.php

Time	Origin	Destination	Activity	Type	Information	Priority
2010-11-16 18:16:57	1003	10.12.1.254	Alarm		3	
2010-11-16 18:16:57	1003	10.12.1.254	Alarm		3	

Alarm

Alarm type: Push button alarm 1 (3)

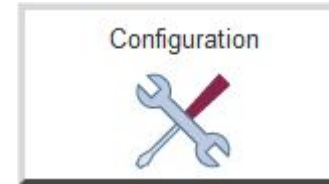
Location:
 ID: 00:21:1b:eb:bc:50
 Type: WiFi access point location (8)

Origin:
 Call ID: 1003
 Unite Address: 1003@10.12.1.254/WLAN?00013e100164
 Time: 2010-11-16 18:16:57

Destination1:
 Unite Address: 10.12.1.254/OAP
 Time: 2010-11-16 18:16:57
 Status: OK (200)
 Log time: 2010-11-16 18:16:57

Done Internet | Protected Mode: On 100%

Unite CM Configuration



- **Status**
 - Active faults
 - Fault log
 - Site Information
 - List WLAN portables
- **Software**
 - Install new software
 - Two versions can be installed
- **Other settings**
 - Language of the GUI
 - Setup Inputs outputs
 - Export and clear fault log
 - Messaging carriers
 - Backup / Restore configuration
 - Demonstration mode (unlicensed mode)
 - **Advanced configuration and trouble shooting**

🏠
🌟

Unite Connectivity Manager Configuration

✖

- ▼ Messaging Users
- ▼ Phonebook
- ▼ Alarm Handling
- ▼ Fault Handling
- ▼ Supervision
- ▼ Activity Log
- ▼ Status
- [Active Faults](#)
- [Fault Log](#)
- [Site Information](#)
- [WLAN Portables](#)
- ▼ Software
- ▼ Other Settings

WLAN Portables

2 portables were found

Remove IP
Force Relogin
Delete Selected
Export Result

<input type="checkbox"/>	Address/Number ▼	IP Address	Status	Last login	📄
<input type="checkbox"/>	1000	10.12.1.156	Available	2010-11-16 18:00:21	📄
<input type="checkbox"/>	1003	10.12.1.145	Available	2010-11-16 18:00:14	📄

Advanced Configuration

System Setup e.g.:

- Multi Master DECT System
 - Up to 20 Master can be defined here
- Security
 - https://
- WLAN System
- Remote Management
 - Possible to connect a modem for remote access

The screenshot shows the 'System Setup' web interface. At the top, there are navigation tabs: 'System Setup' (highlighted with a red circle), 'Troubleshoot', 'Documents', and 'Home'. The user is logged in as 'admin' and can click 'Logout'.

The left sidebar contains a menu with the following items: Phonebook, Remote Management, Mail Server, OA-XML, Device Management, Web Messaging, Coloured Messaging, Event Handler, Input Interfaces, Serial Protocols, Output Interfaces, TAP, ESPA, Text Displays, DECT Interface, Interface Selection, General Settings, IP-DECT, Device Handling, Message Distribution, and Clear Absence List.

The main content area is divided into two sections:

- IP-DECT:** Shows 'DECT interfaces' with a table listing 'Training Master 0 10.12.1.245'. All fields in this table are currently set to 'NOT USED'.
- WLAN System:** Contains various configuration options:
 - Handset relogin time: 60
 - Call Diversion Display Text: Disabled (To: %)
 - Extended Activity Log: Disabled
 - Authentication Method: Common Password (dropdown menu is open showing options: Common Password, Messaging Users, Number as Password)
 - Common Password: [empty field]
 - Allow Force Login (*): Enabled
 - External location server: Disabled
 - External location server address: [empty field]

Buttons for 'Previous', 'Factory', 'Activate', and 'Cancel' are visible at the bottom of the configuration panels.

Advanced Configuration

Troubleshoot

- View log files
- System information
 - Overview of all running processes
 - Log file options
- Send a test message to a telephone
- IP Statistics
 - For destinations which messages are sent to
- Disk status
 - Status of the Compact Flash Card
- Module fault list
 - A list of all possible faults

Application Problem

Unite Connectivity Manager Advanced Configuration

System Setup Troubleshoot Documents

Troubleshoot

[View Info Log](#)

[View Error Log](#)

[View Complete Log](#)

[System Information](#)

[Send Test Message](#)

[IP Statistics](#)

[Module Fault List](#)

System Information

System status	
Module start cause	Restart
Mode	Normal, Error relay active
Status	Module error
Module Key Number	120653
MAC address	00-01-3e-01-d7-4d
Uptime	0 days and 0 hours
Internal power supply	Connected
External power supply	Disconnected
Charge external supply	N/A
Boot software version	1.10
Hardware type	Elise3
Time Synchronizer	Running
Web Server	Running
Schedule Server	Running
HostRouter	Running
Unite Name Server	Running
Supervisor	Running
Unite User Server	Running
Activity Logger	Running
Message Router	Running
System 900 Interface	Running
DECT Interface	Running-application problem (Error relay:)
WLAN Messaging Interface	Running
DECT Device Handler	Running
Device Manager	Running
OAP	Running
SMS Center	Running
Alarm Handler	Running
IO Handler	Running
Phonebook	Running
Serial-IP Server	Running
Remote Access Server	Running
Fault Handler	Running
Web Messaging	Running
Serial Interface	Running
Unite Node Assistant	Running
OAP	Running