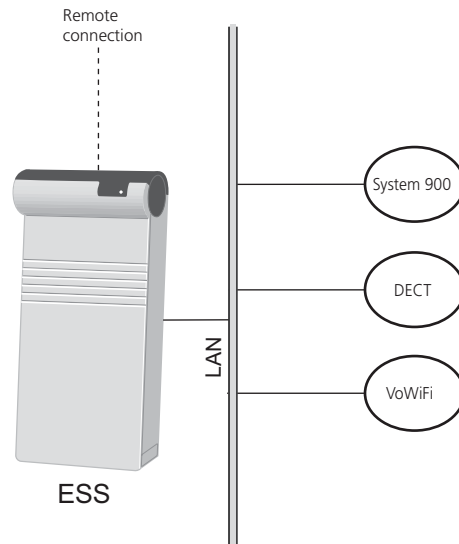


Enhanced System Services (ESS)

Features

- System overview
- System supervision
- Faults and status logging
- Programmable fault actions
- Number planning
- Message routing
- Group handling
- Broadcast messaging
- Multicast group messaging
- User administration
- Activity logging
- Clock synchronisation via NTP
- Remote management via IP communication, directly or via the built-in PPP server
- Translatable user interface



General

Hardware Requirement

ELISE2 / 64 MB RAM / 128 MB FLASH

For technical specifications refer to Data Sheet for ELISE2 Hardware TD 92524GB

PC Requirements

Installation and administration:

Microsoft Internet Explorer 6.0™ or later
Sun JVM 1.5.0_06 (Java Runtime Environment version 5.0)

Remote Management Client:

Windows XP™ or Windows 2000™

Screen resolution:

1024 x 768 pixels

Language

Installation GUI:

English only

Operational GUI:

English as standard, translations can be added

Variants

ESS-M1:

ESS Remote, complete with ELISE2

ESS-M2:

ESS Basic, complete with ELISE2

ESS-L1:

Licence for ESS Remote

ESS-L2:

Licence for ESS Basic

Additional Licence options available for ESS-M2 / ESS-L2

Note that ESS-M1 and ESS-L1 do not have these options.

ESS-LF:	Upgrade to 2 carriers
ESS-LN:	Upgrade to max. No. of carriers
ESS-LB:	Upgrade to max. No. of diversions
ESS-LC:	Upgrade to max. No. of supervised modules and SNMP trap reception.
ESS-LG:	Upgrade to enhanced group handling
ESS-LLT:	Upgrade with activity logging. Includes the Java based Activity Log Viewer for one simultaneous user.
ESS-LV:	Upgrade to max. No of simultaneous Activity Log Viewers. Requires also ESS-LLT.
ESS-LEX:	Upgrade for export of log data in XML format. Requires also ESS-LLT

Accessories (not included)

541479:	Elise RS232 cable for direct line between PC (RMC) and ESS.
190255:	5.0 m straight data cable with RJ45 connector Connection between serial line printer and ESS
190296:	0.5 m straight data cable with RJ45 connector Connection between serial line printer and ESS
180714:	Adapter for modem connection
541480:	Elise RJ45 cable adapter for ESS connection to Central Unit.
660143:	Printer adapter

Technical Specifications - ESS

ESS - M1

Time Synchronisation:	ESS can act as NTP server Automatic daylight saving adjustment Date and time format adjustable to commonly used formats.
Time sources:	System 900 A-bus NTP server (NTPv4 compatible with NTPv2 and NTPv3). Time can manually be set from a web browser

Remote Management

Supported configuration tools:	WinBK, TIP, CSM
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System Survey

No. of surveyed Unite modules:	100
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Fault Handling

Fault Logging:	Centralised system fault log with the latest 1000 entries.
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Specifications are subject to change without notice.

System 900

Max. No. of A-bus modules¹ 15

ESS - M2 in addition to ESS - M1

System Supervision

No. of supervised items: 2
(Unite modules, IP equipment, physical inputs)

Fault Handling

Fault Actions:

- Activation of ELISE2 relay
- Activation of ELISE2 and S900 outputs
- Messages with fault information
- E-mail with fault information
- SNMP traps with fault information

No. of actions: 50

No. of triggers/action: 10

No. of messages/action: 5

Messaging

Message capacity: 10 000 messages/hour²

Number Plan

No. of messaging categories (carriers): 1

No. of entries: 10 000

Import/Export: CSV format

Messaging Diversion

No. of diversion entries in total: 30

Parallel top level diversions: Up to 10 Call IDs

No. of diversion levels/Call ID: 5

No. of diversion levels in total: 10

Diversion conditions:

- Absence
- Out of range
- Not reachable

Work shifts: 100

Group Handling

Groups: 30 with 10 Call IDs and
1 with 100 Call IDs

Broadcast messaging: Support for DCT 1800 GAP, System 900, IP-DECT and EMN

Unite Users

Users: 1000

Teams: 100

¹. ESS used as bus controller in System 900, i.e. not connected to a Central Unit.

². In systems where more than 4000 messages per hour are expected, logging and message routing must not be handled on the same ESS.

Specifications are subject to change without notice.

Options available for ESS-M2 / ESS-L2

System Supervision (LC)

Max. No. of supervised items: (Unite modules, IP equipment, physical inputs)	100
Max. No. of monitored SNMP traps:	250

Number Plan (LN)

Max. No. of messaging categories (carriers):	100
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Messaging Diversion (LB)

Max. No. of diversion entries:	10 000
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Enhanced Group Handling (LG)

Max. No. of groups:	50 with up to 100 Call IDs and 500 with up to 10 Call IDs
Multicast group messaging:	Support for DCT 1800 GAP with CPU2 Support for EMN

Activity Logging (LLT)

Logging capacity:	10 000 activities/hour ¹
Peak capacity:	50 activities per 10 seconds
Export capacity ² :	10 000 activities/hour
Max. storage capacity on flash:	30 000 messages (typical paging is with a 50 character display message)
Online printing:	Serial line printer, RS232 connection ³
Exported log data format:	CSV
No. of Activity Log Viewers:	1
Max. different exports (FTP or e-mail) with different Unite user names:	20

Extended Number of Activity Log Viewers (LV)

Max. No. of connected Activity Log Viewers:	30
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Activity Log Export (LEX)

Exported log data format:	XML
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¹. In systems where more than 4000 messages per hour are expected, logging and message routing must not be handled on the same ESS.

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

³. Tested with EPSON LX-300+.