SourceTech Extend

SourceTech Extend lets one or multiple PMS share a single PBX, by providing advanced protocol conversion and data routing.

The SourceTech Extend solution consists of two components; Extend Server and Extend Client.

The client and server is permanently connected through tcp/ip and both uses intelligent persisted data-buffers to prevent any loss of data.

It's a MS Windows based system and runs best on MS Windows Server.

ES SourceTech Extend Server

The server handles the PBX communication and is responsible for routing the PBX data to and from the Extend Client.

Supported PBX´s

- **ALE OmniPCX Enterprise**
  - AHLTCP
    - 8 digit
    - Full feature support

- **ALE OmniPCX Office**
  - OHL / OLD
    - 4- or 6-digit pin
    - Full feature support

- **Grandstream UCM 6xxx**
  - General
    - Room mode
  - Operations
    - Check-in
    - Checkout
    - Room move
    - Wakeup
    - Phone charging

SourceTech Extend Client

The client handles the PMS connections, provide protocol conversion as well as numbering translation.
PBX data received from Extend Server is routed, and optionally translated, before sent to the PMS.
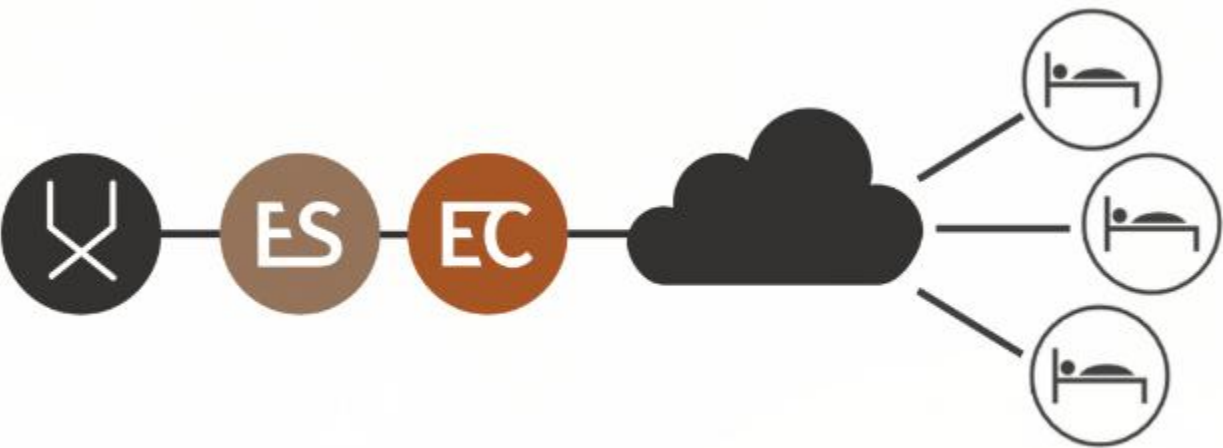
Room number translation
The number translator converts the room numbering between the PMS and PBX, making it possible for each PMS to have its own non-conflicting numbering plan.

PMS types
Supported PMS systems and protocols:
- **AHL**, Alcatel Hotel/Hospitality Link.
- **Oracle OPERA / FIAS**, Fidelio Interface Application Specification
- **Oracle OPERA / OHIP**, Oracle Hospitality Integration Platform
- **MEWS**
- **Shiji Daylight PMS**
- **HotelKey**
- **RMS**

Alcatel-Lucent Hotel/Hospitaly Link, AHL

- **Extend Server**
  - AHLTCP
  - 8-digit protocol

- **Extend Client**
  - AHLTCP or serial V24
  - 5- or 8-digit protocol

- **Operations**
  - Defined by attached PMS

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HOSPITALITY

OPERA/FIAS

- **General**
  - Room mode
  - Guest mode for OPERA onPrem

- **Operations**
  - Check-in
    - Name
    - Barring category
    - Language
    - VIP
  - Check out
  - Room move
  - Do not disturb
  - Message waiting
  - Phone charging
  - Mini-bar charging
  - Room status
  - Voicemail message notification
  - Voicemail allocation
  - Wake up
    - Register
    - Update
    - Unregister
  - PIN code assignment

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HOSPITALITY

OPERA/OHIP

- **General**
  - Room mode

- **Operations**
  - Check-in
    - Name
    - Language
    - VIP
  - Room move
    - Name
    - Language
    - VIP
  - Check out
  - Phone charging
  - Mini-bar charging
  - Room status
  - Voicemail allocation
  - Wake up
    - Register
    - Update
    - Unregister

MEWS

- **General**
    - Room mode
    - Guest mode

- **Operations**
    - Check-in
        - Name
        - Language
        - VIP
    - Room move
        - Name
        - Language
        - VIP
    - Check out
    - Room status
    - Voicemail allocation

Shiji

······· DAYLIGHT PMS

FIAS / ShijiBox

- **General**
    - Room mode
    - Guest mode

- **Operations**
    - Check-in
        - Name
        - Barring category
        - Language
        - VIP
    - Check out
    - Room move
    - Do not disturb
    - Message waiting
    - Phone charging
    - Mini-bar charging
    - Room status
    - Voicemail message notification
    - Voicemail allocation
    - Wake up
        - Register
        - Update
        - Unregister
    - PIN code assignment

HotelKey

FIAS / IOTKey

- **General**
  - Room mode

- **Operations**
  - Check-in
    - Name
    - Barring category
    - Language
    - VIP
  - Check out
  - Room move
  - Phone charging
  - Room status
  - Voicemail allocation

- **General**
  - Room mode
  - Guest mode

- **Operations**
  - Check-in
    - Name
    - Language
  - Room move
    - Name
    - Language
  - Check out
  - Room status
  - Phone charging

- **General**
  - Room mode
  - 5 and 7 digit support

- **Operations**
  - Check-in
    - Name
    - Language
    - VIP
  - Room move
    - Name
    - Language
    - VIP
  - Check out
  - Wakeup
  - Room status
  - Phone charging

Specifications

Hardware	Minimum
CPU:	Intel Pentium 2 GHz or equivalent
Memory:	4 GB Ram
Disk:	8 GB available
Network:	Ethernet IPv4 100 | 1000 Mb/s
Graphics:	Not applicable

Prerequisites
MS Windows Server 2019,2022,2025
MS .NET Framework 4.7, .NET 8.0
MSMQ, Microsoft Message Queuing
IIS, Internet Information Server