



## 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 connected through RabbitMQ message broker to ensure data delivery.

The solution is MS Windows based and runs best on MS Windows 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
- **ALE Rainbow Hospitality**
  - Operations
    - Check-in
    - Checkout
    - Room move
    - Wakeup
    - Phone charging
- **Grandstream UCM 6xxx**
  - Operations
    - Check-in
    - Checkout
    - Room move
    - Wakeup
    - Phone charging
- **NEC Univerge SV9300**
  - Operations
    - Check-in
    - Checkout
    - Room move
    - Wakeup
    - Phone charging



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

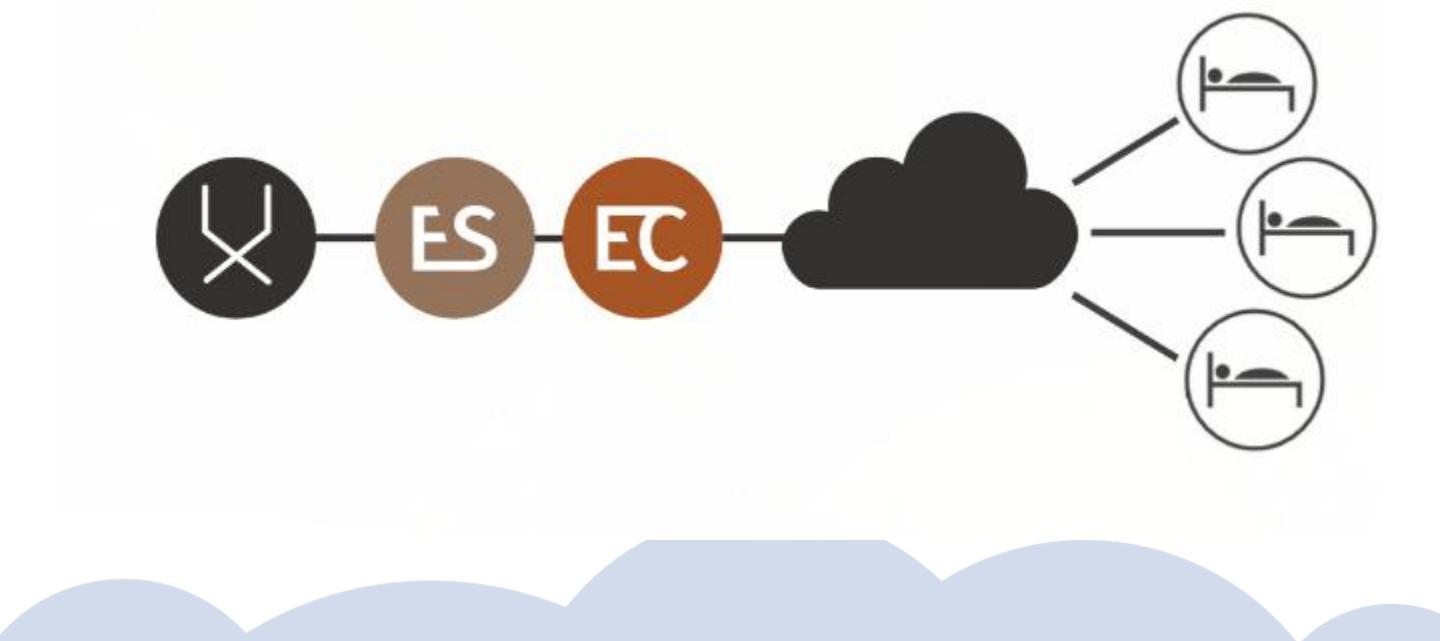
The number translator converts the room numbering between the PMS and PBX, making it possible for each PMS to have its own non-conflicting numbering plan.



### 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 / FIAS**
- **HotelKey / FIAS**
- **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



# HOSPITALITY

## OPERA/FIAS

- **General**
  - Room mode
  - OXE 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
  - Wakeup
    - 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
  - Wakeup
    - Register
    - Update
    - Unregister

# M E W S

- **General**
  - Room mode
  - OXE 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
  - OXE 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
  - Wakeup
    - Register
    - Update
    - Unregister
  - PIN code assignment



## FIAS / IOTKey

- **General**
  - Room mode
- **Operations**
  - Check-in
    - Name
    - Barring category
    - Language
    - VIP
  - Check out
  - Room move
  - Phone charging
  - Room status
  - Voicemail message notification
  - Voicemail allocation
  - Wakeup
    - Register
    - Update
    - Unregister



- **General**
  - Room mode
  - OXE 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

<b>Hardware</b>	<b>Minimum</b>
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

IIS, Internet Information Server