

ENTERPRISE SYSTEMS MONOGRAPH • OFFICIAL AEI MASTER PARTNER

Engineering the Future of **Luxury Smart Hospitality &** Connected Buildings

Bridging high-performance Taiwanese hospitality telephony from AEi Communications Corp. with complete turnkey ELV & ICT infrastructure and 24/7 autonomous voice intelligence for 5-star hotels, luxury villas, and commercial towers.

10 TURNKEY ELV SYSTEMS

SIRA-approved CCTV, high-density fiber structured cabling, RFID smart locking, and EN54 life safety audio.

FLAGSHIP TELEPHONY

Carrier-grade cordless DECT, slimlines, waterproof bathroom stations, and Serverless P2P mesh telephony.

UAE LOGISTICS HUB

Strategic buffer stock in UAE with 24–48h turnkey DDP delivery and 5-Year Advance Replacement warranty.

CORPORATE HERITAGE • REGIONAL PRESENCE

Turnkey Technology Excellence for Middle East Hospitality

Headquartered in the Sharjah Research Technology and Innovation Park (SRTIPark), Haalyn Technologies FZE is the authorized Middle East Master Commercial and Distribution Partner for AEi Communications Corp. We bridge tier-one manufacturing with localized engineering, stocking, and DDP delivery across the UAE, Saudi Arabia, Qatar, Oman, and Bahrain.

500K+

GUESTROOMS EQUIPPED
GLOBALLY

24-48h

UAE LOCAL BUFFER
DISPATCH

5 Years

ADVANCE REPLACEMENT
WARRANTY

100%

SIRA & ADMCC CERTIFIED

Authorized AEi Master Partnership

AEi Communications Corp. (Taiwan) is the global benchmark in hospitality telephony, trusted by Marriott International, Hilton, Hyatt, Accor, and InterContinental. Haalyn acts as the exclusive regional extension, handling consultant specifications, factory orders, staging, and RMA support with zero intermediaries.

Key Benefit: Direct factory wholesale pricing, bespoke acrylic faceplate design, and certified compatibility across Cisco Unified Communications, Avaya Aura, Mitel, and Oracle Opera PMS.

UAE Buffer Stock & Turnkey DDP Logistics

Global supply chain delays of 8 to 12 weeks jeopardize hotel pre-opening handovers. Haalyn maintains a strategic local buffer inventory of fast-moving AEi models warehoused in the UAE.

Key Benefit: 24- to 48-hour delivery across Dubai, Abu Dhabi, and Northern Emirates under DDP terms (Incoterms 2020), absorbing 5% customs duties, local clearance, and freight directly to the hotel staging site.

ENTERPRISE SMART INFRASTRUCTURE • UAE • KSA • GCC

10 Core Demanded ELV & ICT Systems

Comprehensive system integration designed for MEP contractors, IT consultants, and 5-star developers. Engineered for first-pass authority approval under SIRA Dubai, ADMCC Abu Dhabi, and UAE Civil Defence regulations.

PACKAGE 01 • PASSIVE INFRASTRUCTURE

Structured Cabling & Fiber Backbones

Cat6/Cat6A LSZH copper cabling, Single-Mode OS2 & Multi-Mode OM4/OM5 pre-terminated MPO trunks with 25-year warranty.

Schneider CommScope Legrand Panduit

PACKAGE 02 • PHYSICAL SECURITY

IP CCTV & AI Video Surveillance (SIRA)

SIRA & ADMCC compliant 4K low-light cameras, enterprise SAN storage (31/90/180 days), ANPR, and facial recognition analytics.

Axis Hanwha Milestone Genetec

PACKAGE 03 • CONTACTLESS ACCESS CONTROL

Access Control & Smart Door Locks

RFID Mifare EV2/EV3 + BLE mobile smartphone keys, online wireless mesh gateways, and biometric turnstiles.

Assa Abloy Salto Dormakaba HID

PACKAGE 04 • ROOM AUTOMATION

Guest Room Management (GRMS)

Capacitive glass keypads, DALI-2 dimming, smart digital thermostats with radar sensing, saving 25–40% in HVAC opex.

Interel Schneider Lutron HDL

PACKAGE 05 • GUEST ENTERTAINMENT

Commercial IPTV & Room-Isolated Casting

4K Pro:Centric hotel displays, interactive branded guest portal, isolated AirPlay/Google Cast gateways, and video walls.

Samsung LG Nonius Tripleplay

PACKAGE 06 • ACTIVE NETWORKING

Enterprise Wi-Fi 6/7 & Core Switching

In-room wall-plate APs with GbE pass-through, high-density outdoor resort APs, 10G L3 core switches, and NGFW security.

Aruba / HPE Cisco Ruckus Fortinet

PACKAGE 07 • LIFE SAFETY & AUDIO

Public Address & Voice Alarm (EN54 / Civil Defence)

UAE Civil Defence certified EN54-16 voice alarm matrices, fire-resistant ceiling speakers, and multi-zone BGM sound systems.

Bosch TOA Honeywell Bose Pro

PACKAGE 08 • UNIFIED COMMUNICATIONS

Hospitality IP Telephony (AEi Flagship)

Cordless DECT 6.0, compact slimlines, IP65 waterproof bathroom stations, and Serverless P2P mesh telephony.

★ AEi Communications Cisco Avaya

PACKAGE 09 • CONVERSATIONAL INTELLIGENCE

Autonomous Hospitality Voice AI Staff

24/7 Voice AI employees across 42 languages, integrated with room telephones and front desk PBX to automate bookings and tickets.

Opera Cloud HotSOS Infor HMS

PACKAGE 10 • CRITICAL POWER

Data Center Infrastructure & Modular UPS

Online double-conversion modular UPS (3kVA to 200kVA), precision in-row cooling, and telemetry monitoring for 100% uptime.

APC / Schneider Vertiv Eaton

MASTER BEDSIDE • VM SERIES FLAGSHIP

AEi VM-S9208-SMK 4.3" Color LCD DECT

The pinnacle of luxury guestroom telephony. Engineered for presidential suites and royal penthouses, pairing an interference-free cordless DECT 6.0 handset with a master PoE charging station, full 4.3" high-definition color LCD screen, and bedside fast USB ports.



Presidential Suite Master

Crafted with architectural midnight black casing and warm gold trim, the VM-S9208-SMK delivers crystal-clear wideband audio, 10 customizable speed-dial memory keys, and seamless PMS synchronization.

Display	4.3" Color TFT LCD (480 x 272)
Cordless Tech	DECT 6.0 (100m outdoor / 50m indoor)
SIP Accounts	2 Lines / 4 Active SIP Registrations
Power Delivery	PoE 802.3af + Dual 2.1A USB Fast Charging
Memory Keys	10 Laser-Printed Guest Service Keys
Hygiene	Antibacterial Sanitized ABS Plastic

PBX Certification: Pre-certified on Cisco CallManager, Avaya Aura, Mitel MiVoice, and Alcatel-Lucent Enterprise.



VM-S9208-SM Compact LCD
Discreet bedside caller ID display with full DECT cordless mobility and nightstand USB ports.



VM-8200-SMKLT NEOM Edition
Ultra-luxury architectural edition designed for futuristic desert resorts and private royal villas.

LUXURY FINISHES • MATTE BLACK & PEARL WHITE

AEi VX-8208 Series Cordless DECT Handsets

Engineered for flexible hotel room layouts, allowing guests to take calls anywhere in the suite. Available in two distinct architectural color palettes to match modern dark-wood palettes or light beachfront interiors.



VX-8208-SPB(S) Matte Black

Fingerprint-resistant matte midnight black finish designed for executive corporate hotels, luxury penthouses, and heritage suites.

Frequency	DECT 6.0 (1.9 GHz) Zero Wi-Fi Clash
Lines / SIP	2 Lines / 4 SIP Server Profiles
Battery Life	12h Talk Time / 14 Days Standby
Base Hub	PoE Base + Dual 2.1A Fast USB Ports



VX-8208-SPB(S) Pearl White

Pristine pearl white finish engineered for beachfront luxury villas, bright boutique hotels, island resorts, and modern aesthetic suites.

Frequency	DECT 6.0 (1.9 GHz) Zero Wi-Fi Clash
Lines / SIP	2 Lines / 4 SIP Server Profiles
Battery Life	12h Talk Time / 14 Days Standby
Base Hub	PoE Base + Dual 2.1A Fast USB Ports

Autonomous Slave Handsets (SDB-8000 / VX-8208-SPBU): Deploy up to 4 cordless slave handsets paired to a single master base without requiring additional Cat6 network drops or extra PBX SIP licenses.

4:1 LICENSE SAVER

SPACE-SAVING PROFILES • SLN SERIES

AEi SLN-9210 Series Compact Slimlines

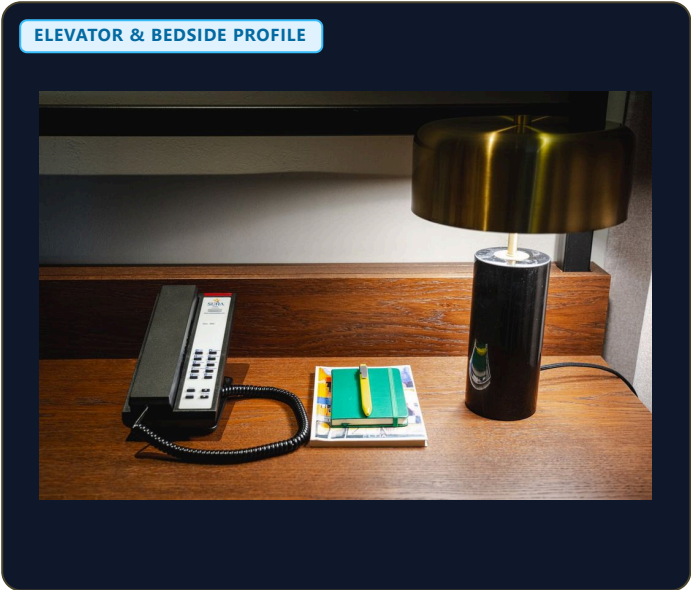
The definitive compact IP telephone engineered for guestroom nightstands where surface area is at a premium, as well as elevator vestibules, service concourses, and luxury dressing vanities.

SLN-9210-S Slimline IP

At less than half the width of traditional hotel phones, the SLN-9210-S packs wideband HD audio clarity, 10 programmable laser-etched speed dials, and versatile desk or wall-mounting into an ultra-streamlined architectural chassis.

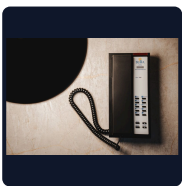
Form Factor	Ultra-Narrow Slimline (Wall & Desk)
Audio Codec	Wideband G.722 HD Audio + G.711u/a
Ethernet	10/100 Mbps RJ45 with PoE 802.3af
Speed Dials	10 Programmable Memory Keys
Faceplate	Full Custom Acrylic Overlay
Mounting	Reversible Base for Low-Profile Wall Mount

Deployment Application: Installed in over 120 luxury hotels across Dubai and Riyadh for lift foyers, spa suites, and executive bedside desks.



Vertical Wall Station

Discreet wall-mount bracket for elevator landings, fitness centers, and housekeeping stations.



Bird's Eye Aesthetic View

Clean layout with high-contrast dialing keypad and customizable speed-dial icons.

STEAM-PROOF • MAGNETIC HALL-EFFECT SWITCH

AEi VR Series Waterproof Bathroom & SOS

Standard hotel phones fail prematurely in bathrooms due to steam corrosion and mechanical switch sticking. The AEi VR Series features an IP65 sealed chassis and a solid-state magnetic Hall-effect hook switch with zero moving contacts.



VR-4100 Bathroom Emergency

Engineered specifically for marble bathrooms, hot steam showers, and luxury wellness spas. Sealed membrane keypad prevents moisture ingress completely.

Switch Type	Solid-State Magnetic Hall-Effect
Environmental	IP65 Waterproof & Steam Sealed
Powering	100% Line Powered (Zero PSU Needed)
Safety Key	Direct One-Touch Emergency SOS Dial



VR Rugged Poolside & Beach SOS

UV-resistant weatherproof casing designed for 5-star resort pool cabanas, private beach boardwalks, tennis pavilions, and hotel gymnasiums.

Enclosure	UV-Stabilized High-Impact ABS
Corrosion Proof	Marine-Grade Moisture Sealed Board
Audio Sounder	High-Output Audible Ringtone & Strobe
Compliance	UAE Life Safety & Civil Defence Approved

Why Mechanical Hook Switches Fail: Traditional plunger switches trap moisture and mineral deposits in luxury steam rooms, causing "off-hook" false alarms to hotel PBX systems. AEi's magnetic switch completely eliminates this point of failure, ensuring 10+ years of maintenance-free operation.

PROVEN DURABILITY • 500,000+ ROOMS GLOBALLY

AEi AAX & MP Series Hospitality Corded Phones

The global standard in guestroom telephony. Proven over decades across flagship hotel chains, combining indestructible durability, weighted ergonomic handsets, and full custom acrylic branding.

5-STAR INDUSTRY STANDARD



AAX-2100 / AAX-1100 Series

Available in 1-line and 2-line analog or IP SIP configurations. Engineered with durable membrane keypads and custom-printed hotel logo faceplates.

Protocols	SIP V2 (RFC 3261) or Analog PSTN
Speed Dials	Up to 10 Laser-Printed Guest Keys
Speakerphone	Full Duplex Hands-Free with Mute
Warranty	5-Year Advance Replacement Backing

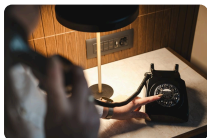
TACTILE COMFORT & MEDIA



MP Series Media & Desk Phone

Refined hospitality desktop profile featuring large high-contrast dialing buttons, acoustic speakerphone chamber, and PMS message retrieval.

Audio Design	Acoustically Tuned Speaker Chamber
PMS Link	Direct Oracle Opera Message Waiting LED
Faceplate	Scratch-Proof Acrylic Overlay
PBX Support	Cisco, Avaya, Grandstream, Yeastar



Human-Centered Hospitality Ergonomics: AEi handsets are weighted to provide a premium, substantial feel in the guest's hand. Rubberized non-slip feet prevent the base from sliding on polished marble or glass nightstands.

BRAND HARMONIZATION • 100% CUSTOMIZED OVERLAYS

Factory-Certified Custom Acrylic Faceplates

Every hotel possesses a distinct interior aesthetic and brand standard. Haalyn delivers factory-printed high-gloss acrylic faceplates that perfectly match your property's Pantone colors, logo typography, and guest service speed-dial icons.

 Matte Midnight Black Executive corporate suites, boutique hotels & dark walnut furnishings.	 Pure Pearl White Beachfront island resorts, light marble vanities & modern spa retreats.	 Warm Champagne Gold Palatial 5-star properties, royal suites, brass accents & luxury penthouses.	 Brushed Aluminum Silver Contemporary architectural hotels, high-tech urban properties & glass towers.
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Bespoke Key Mat Engineering

- Custom hotel logo printed in razor-sharp 1200 DPI vector clarity.
- Standardized or bespoke speed-dial icons (Concierge, In-Room Dining, Housekeeping, Valet, Spa, Front Desk).
- Multi-lingual text labels (English, Arabic, French, Chinese, Russian).
- Scratch-resistant clear acrylic lens prevents wear from fingernails or cleaning solvents.

Free Mockup Design Service

Provide us with your hotel logo vector (.AI / .EPS / .PDF) and brand color codes. Haalyn's graphics studio provides high-definition 3D mockup renders within 24 hours at zero cost.

Direct Mockup Desk: sales@haalyn.com • WhatsApp: +971 52 188 4327

ZERO PBX SERVER HARDWARE • 40–60% CAPEX SAVINGS

AEi DCS Serverless P2P Mesh Telephony

The traditional hotel PBX model is dead. AEi DCS (Decentralized Communication System) utilizes distributed peer-to-peer SIP intelligence embedded directly within each telephone endpoint, communicating room-to-room and straight to telecom trunks.

Traditional Centralized PBX Architecture

- ✗ Requires expensive primary & standby rack-mount PBX servers in the central data center (\$15k–\$50k).
- ✗ High recurring per-extension user SIP licenses charged by enterprise PBX vendors.
- ✗ Single Point of Failure: If the core PBX server crashes, all guestroom and emergency 911/999 calls drop.
- ✗ Requires costly annual vendor maintenance contracts (AMCs) and complex software patches.

AEi DCS Serverless P2P Mesh Solution

- ✓ **Zero Central Server:** Decentralized SIP engine lives inside the phones. Plugs directly into IP trunks.
- ✓ **Zero Extension Licenses:** Eliminate thousands of dollars in recurring software fees per key.
- ✓ **Self-Healing Mesh:** If any single unit fails, all other 500+ phones continue operating seamlessly.
- ✓ **Full Hospitality Features:** Direct room-to-room dial, wake-up calls, PMS check-in/out, and 999 SOS routing.

Average Financial ROI for 250-Key Hotel:

Initial capex savings of \$28,500 on hardware servers + \$12,000 saved on recurring 5-year software licensing.

40–60%

CAPEX REDUCTION

ZERO MISSED CALLS • SUB-SECOND VOICE LATENCY

Autonomous Hospitality **AI Voice Staff**

Connected directly to guestroom phones, front desk PBX, and WhatsApp, Haalyn's voice AI employees operate 24/7/365 across 42 languages, handling guest inquiries, F&B dining reservations, and housekeeping dispatch with human warmth.



Lina

LUXURY CONCIERGE • FRONT OFFICE

Recommends luxury dining, books chauffeur transfers, answers amenity hours, and orchestrates VIP guest itineraries.



Zayd

RESERVATIONS • DIRECT REVENUE

Answers inbound booking calls 24/7, checks real-time room availability in Opera PMS, matches rate parity, and dispatches secure payment links.



Nadia

FRONTLINE TRIAGE • HOUSEKEEPING

Handles extra towels, room cleaning requests, baggage assistance, and automatically opens service tickets in Amadeus HotSOS.



Tariq

NIGHT AUDIT • ENGINEERING TRIAGE

Manages overnight PBX switchboard, logs AC/plumbing maintenance tickets, coordinates wake-up calls, and generates morning audit summaries.

< 800ms Voice Latency

Natural real-time human conversation with instant barge-in support.

42 Native Languages

Fluent Arabic (Gulf, Levantine, Egyptian), English, French, Russian, Mandarin.

2-Way PMS Integration

Certified on Oracle Opera Cloud OHIP API, Infor HMS, and HotSOS.



AUTHORIZED MIDDLE EAST MASTER COMMERCIAL PARTNER

Ready to Transform Your Next Property?

From consultant technical specifications and rapid turnkey proposals to bespoke acrylic faceplates and 48-hour local UAE staging dispatch, our commercial engineering desk is ready to support your hospitality or commercial development.

Thasni Majeed

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