



Connect & Immerse for AI Empowerment

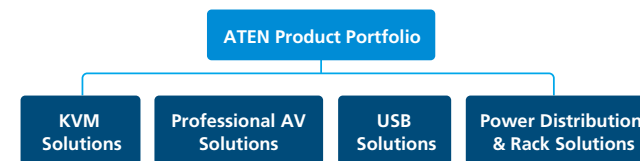
Computex 2024 • Event Guide

About ATEN

ATEN International Co., Ltd. (TWSE: 6277), established in 1979, is the leading provider of AV/IT connectivity and management solutions. Offering integrated KVM, professional AV, SOHO, and intelligent power solutions, ATEN products connect, manage, and optimize AV/IT equipment in corporate, government, education, healthcare, manufacturing, broadcasting media, and transportation environments.

ATEN has 650+ issued international patents and a global R&D team that produces a constant stream of innovative solutions, resulting in a comprehensive portfolio of products available worldwide.

Established	1979
Publicly Traded	2003 (TWSE: 6277)
Headquarters	Taiwan
Worldwide Presence	Australia, Belgium, China, Indonesia, India, Japan, Mexico, Poland, Romania, South Africa, South Korea, the U.K., the U.S., and Turkey
R&D Centers	Canada, China, Taiwan
Manufacturing Facilities	China, Taiwan, Thailand
Website	www.aten.com



Why ATEN?



No. 1 KVM Global Market Leader

- ATEN ranks 1st in the global KVM market share*
- Full range of Enterprise, SMB, and SOHO KVM switch solutions and services

AV/IT

Tailor-made AV/IT Products and Service

- Control, monitor, and maintain audio, visuals, and IT infrastructure
- 45 years of dedication to AV/IT connectivity and management solutions



End-to-End Design, Reliable Manufacturing

- Extensive R&D capabilities with in-house ASIC / FPGA IC design capabilities
- Three manufacturing sites in Asia provide reliable quantities and quality



Global Service, Local Support

- 30+ showrooms for hands-on product demos
- 40 global sales offices / 12+ RMAs for real-time support

* Source : IHS Markit KVM Switches and Serial Consoles Report

Bridging AI Horizons: Connect & Immerse for Empowerment

In our Immersive Area, guests will have the opportunity to fully experience our disaster response center, featuring video wall visualization and control solutions. In our other live demo areas, visitors can get hands-on with ATEN solutions as catalysts for the AI revolution. From server room management to air traffic control, meeting solutions to workstations, and RCM solutions to AI Voice, it is time to experience the power of AI, with connectivity and immersion at its core!

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Immersive Area

Disaster
Response Center

2

Meeting Solutions

3

AI Solutions

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Audio Systems

5

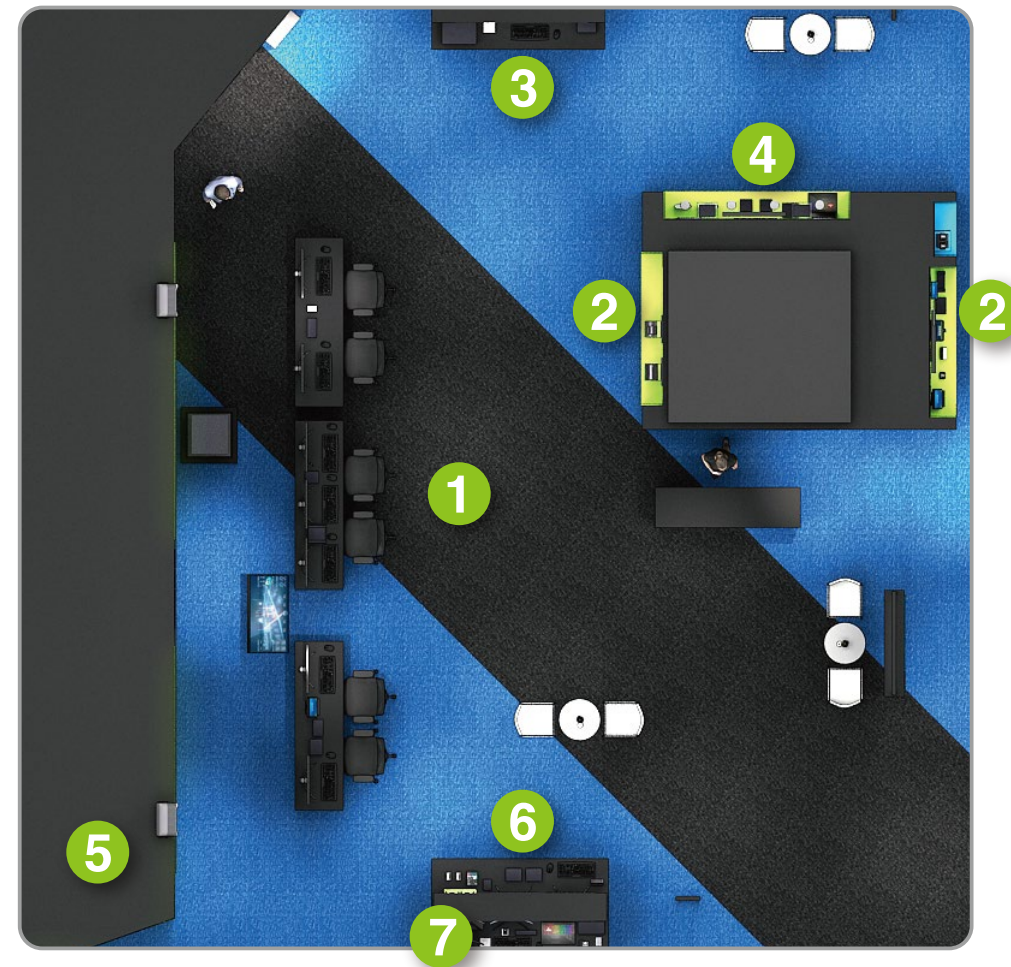
Air Traffic Control

6

RCM Solutions /
USB Solutions

7

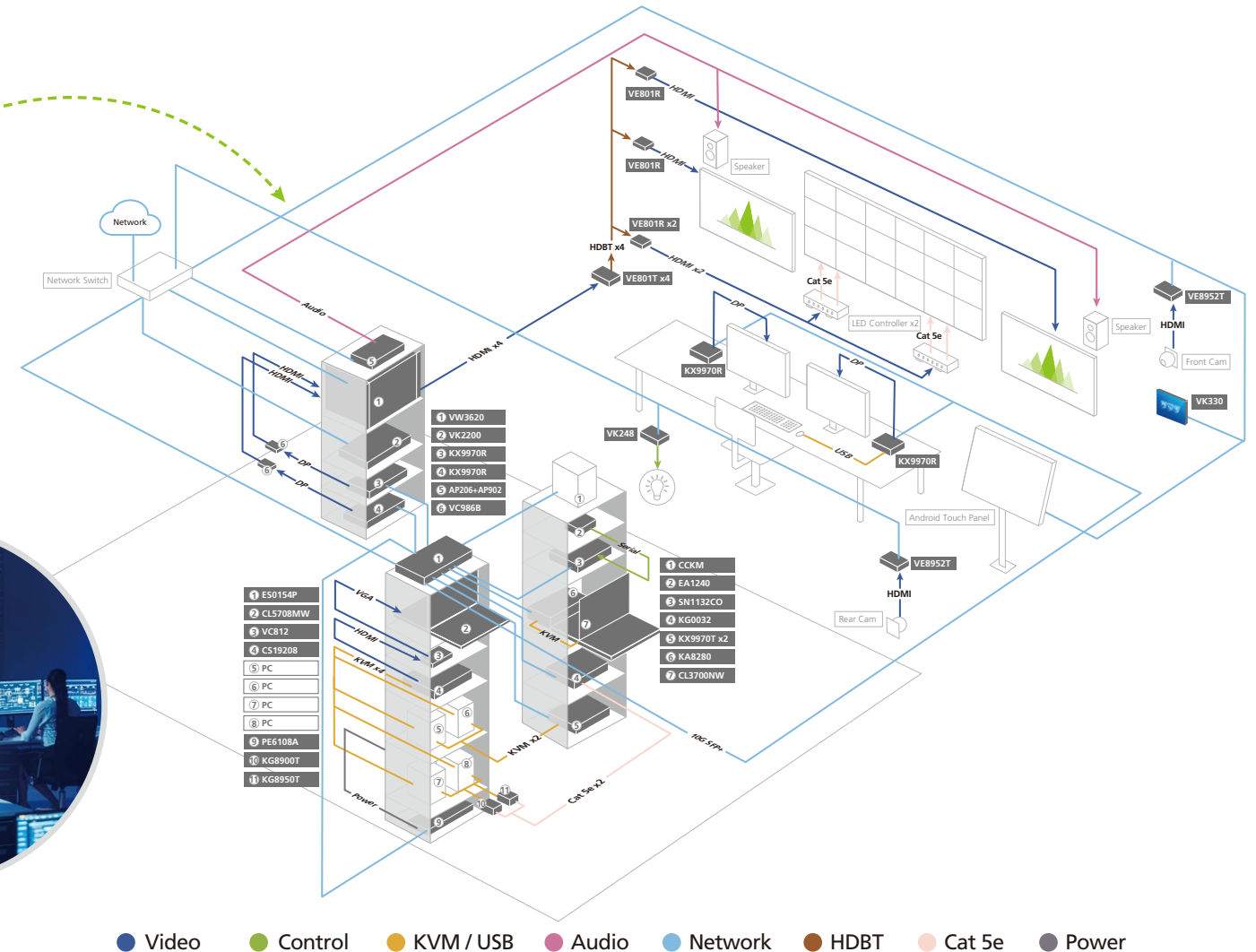
Desktop Workstations



Showcasing Control Room Visualization with Enhanced KVM over IP Efficiency

The KVM over IP extenders (e.g. KX9970R & KX9970T) can be mixed and matched in a matrix configuration to accommodate the requirements for small to large scale control rooms in industrial applications where pixel-perfect visual precision (up to 5K visual clarity) and close-to-zero latency data transmission are highly demanded over IP extension. This allows operators to be separated from servers, while secure, remote access is made easy, and servers remain centrally manageable.

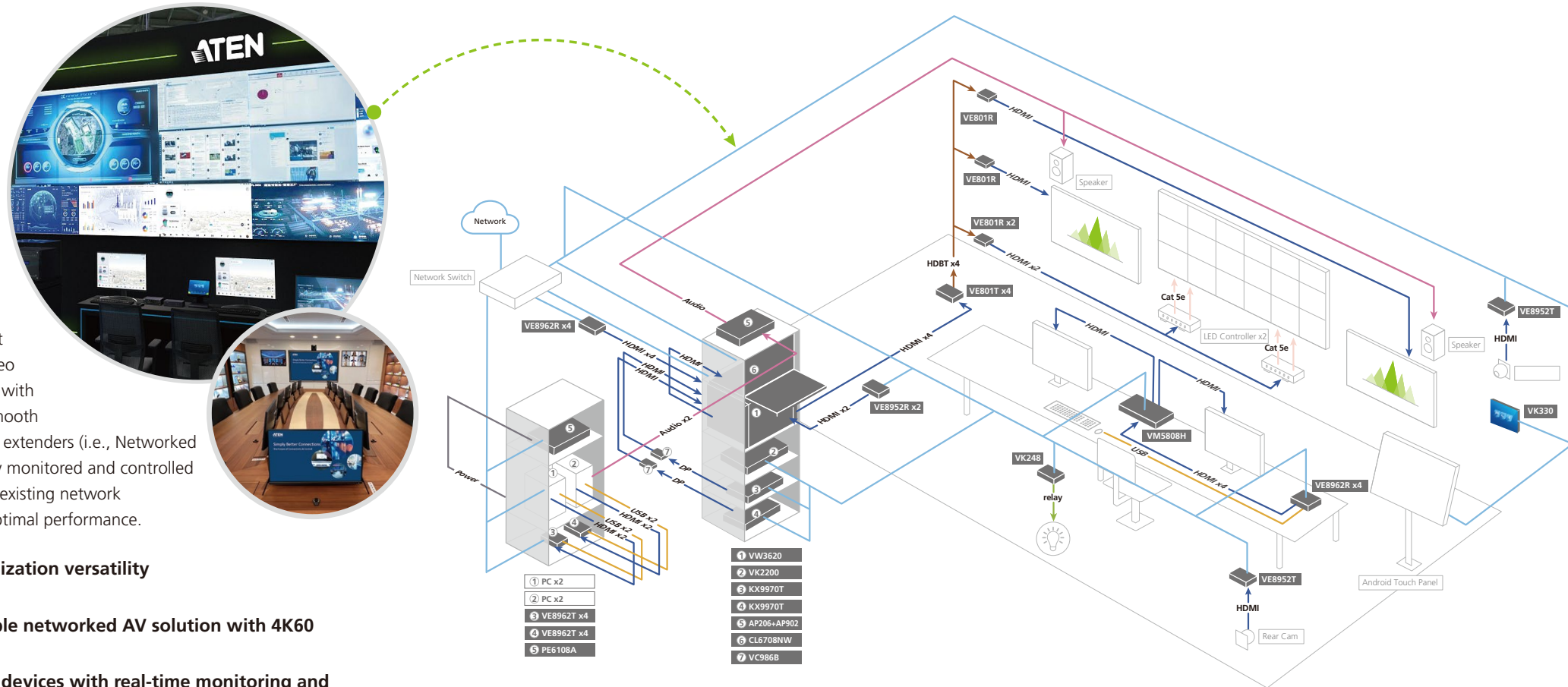
- 5K @ 60 Hz @ 4:4:4 image resolution with image dithering
- Native DisplayPort signal processing with 8/10/12 color depth @ 60 fps
- Supports 10 Gbps SFP+ fiber module expansions
- Power / network redundancy to sustain uninterrupted system uptime
- Scalable and expandable KVM over IP infrastructure
- All screen contents can be "pushed" and "pulled" for prompt collaboration, sharing, and troubleshooting as required between workstations and the video wall



Unmatched Visualization Versatility with Scalable 4K60 Video Wall Processing

ATEN The VW3620 video wall processor is engineered to seamlessly display scalable 4K60 pixel-precise visual content, offering unparalleled visualization versatility to support strategic decision-making processes in a strategy room. The switching and display of video content across various input and output sources can be streamlined through integration with ATEN control system, which leverages humanized voice commands for intelligent and smooth meeting room operations. By networking all input and output devices with video over IP extenders (i.e., Networked AV solution), the distributed array, encompassing all device installations, can be remotely monitored and controlled in real time via the control system. This setup provides a comprehensive overview of the existing network deployment and the hardware status of each device, ensuring prompt responses and optimal performance.

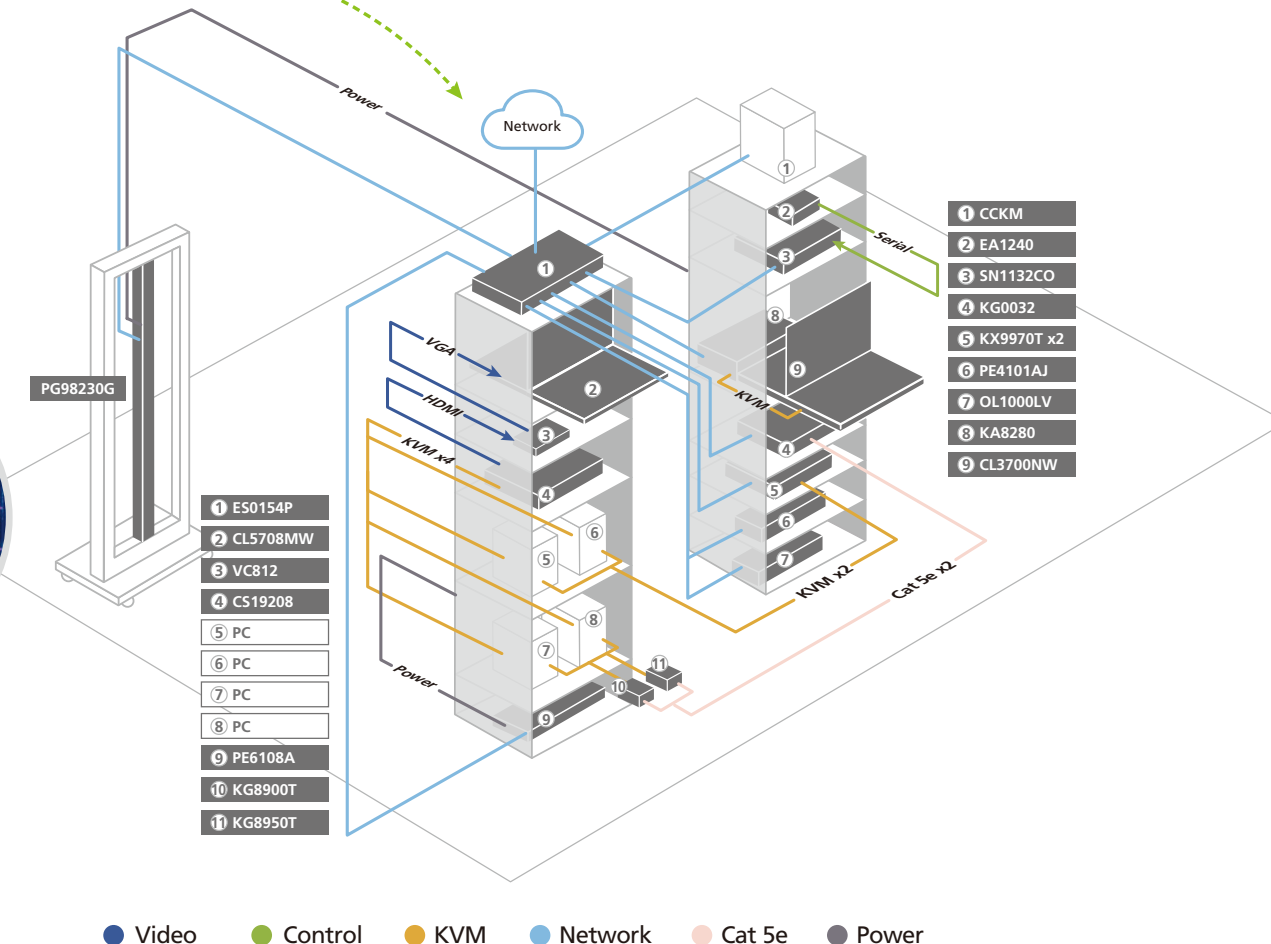
- **VW3620 Video Wall Processor** – offering 4K60 4:4:4 pixel clarity and visualization versatility
- **FPGA hardware-based scaler** for unmatched video performance
- **VE8962 series Video over IP Extenders** – delivering a distributed yet scalable networked AV solution with 4K60 True 4K visual excellence
- **ATEN Control System** – offering centralized management of all connected devices with real-time monitoring and AI-powered control via intuitive and evolving humanized voice commands



Empowering IT Excellence with Intelligent Integration

ATEN specializes in KVM over IP switches, LCD KVM switches/consoles, and PDU solutions for server room and data center management via IP, serving a diverse range of industries. ATEN's solutions for server rooms and data centers are designed to enhance IT operations by offering centralized control and intelligent integration. They address the demands of sustaining AI-enhanced services by centralizing local and remote management of legacy, modern, and AI servers, along with power monitoring, providing real-time insights for informed decision-making.

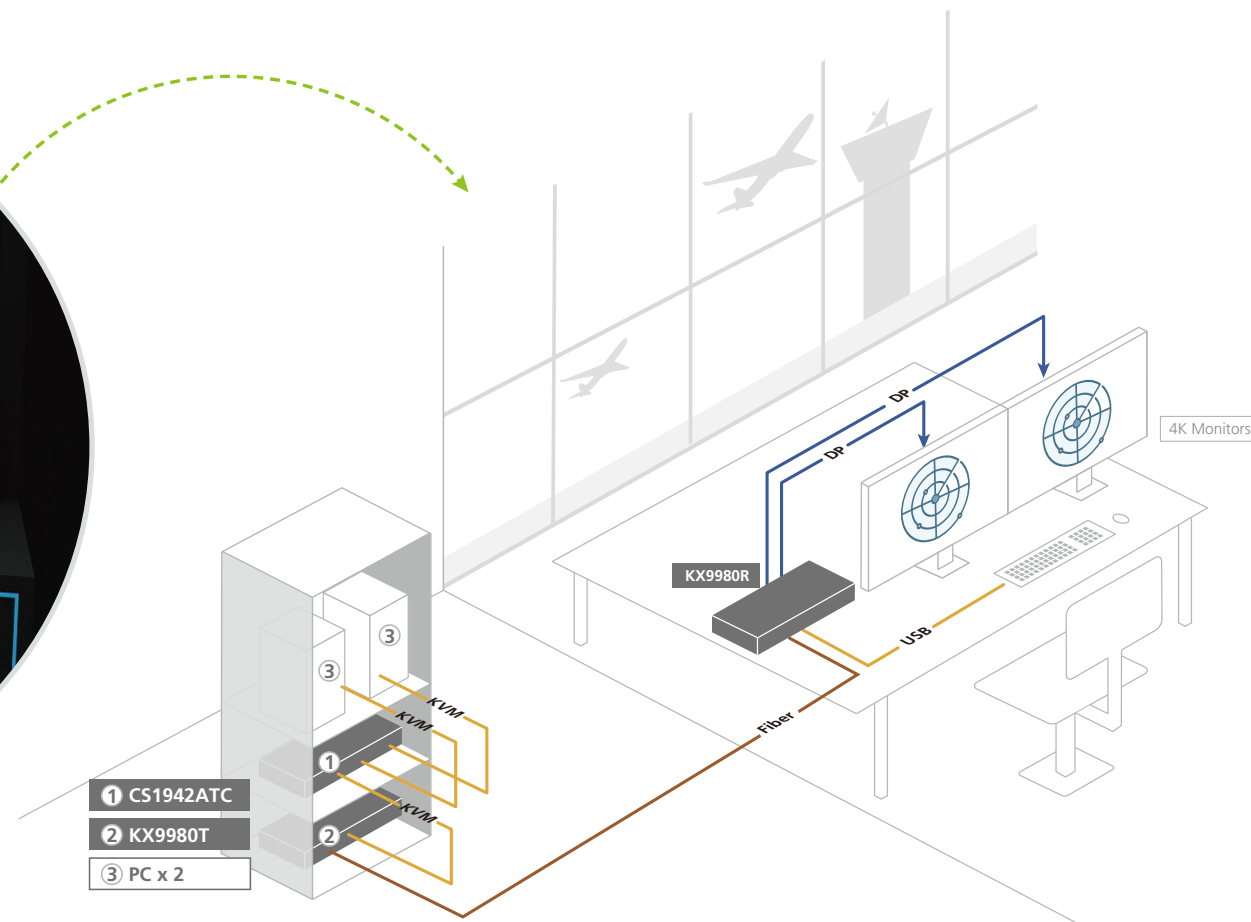
- CL5708MW (17.3", widescreen) / CS19208 (4K) – for IT management from a single place
- KG0032 (All-digital OmniBus Gateway) or SN1132CO – for remote IT management
- CC2000 / KG0032 / SN1132CO or KA8280 / KG0032 / SN1132CO – for centralized IT management via a single secure portal
- CC2000 / PE4104AJ / EA1240 / SN1132CO / EA1240 – for remote monitoring of environmental status on the server rack
- CC2000 / EcoDC / PE4104AJ / PE6108A / PG98230G / PG98330G – for remote monitoring of power usage and control
- Integrated Server + Switch Access & Control Solutions for comprehensive IT environment management with extensive platform and device compatibility
- Intelligent Power Management Solutions that combine environment management with energy efficiency objectives
- Panel Array Mode Live+ to allow real-time remote monitoring of livestreamed video feeds from multiple server, as well as control of any selected server



Smooth Air Traffic Control for Precision Insights

To meet the exacting demands of Air Traffic Control (ATC) operations, ATEN's CS1942ATC desktop KVM Switch supports 2Kx2K resolution, delivering crystal-clear visuals essential for radar monitoring and real-time flight information management. With its dual display capability, it provides air traffic controllers with a comprehensive view, facilitating seamless transitions between two DisplayPort systems for heightened situational awareness. By fostering a secure environment and optimizing operational efficiency, this KVMP™ switch is tailored to address the unique needs of Air Traffic Control Towers, Approach Control Rooms, and Area Control Centers, enhancing safety and performance within the air traffic control industry.

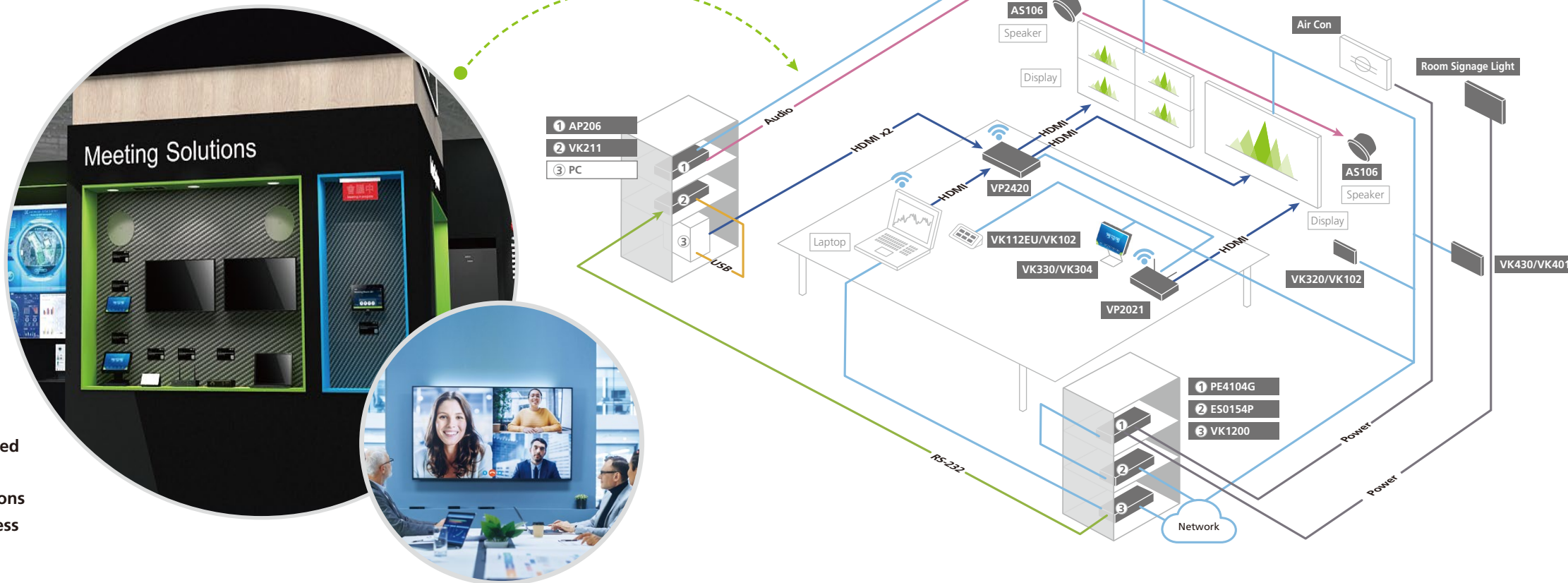
- 2048 x 2048 @ 60 Hz screen resolutions for radar monitoring
- Dual Displays with max. resolution up to 4k DCI
- Zero-second switch for delay-free livestreamed video
- 2 DC jacks for power redundancy to ensure constant availability
- Supports serial port switching for legacy devices



Integrated AV Solution with Smart Control for Elevated Collaboration

ATEN's Integrated AV Solution is designed to optimize collaboration spaces and optimize meeting experiences. By seamlessly integrating Room Booking Systems (RBS) and advanced control systems, our solution brings automation to meeting rooms, enhancing space utilization and productivity.

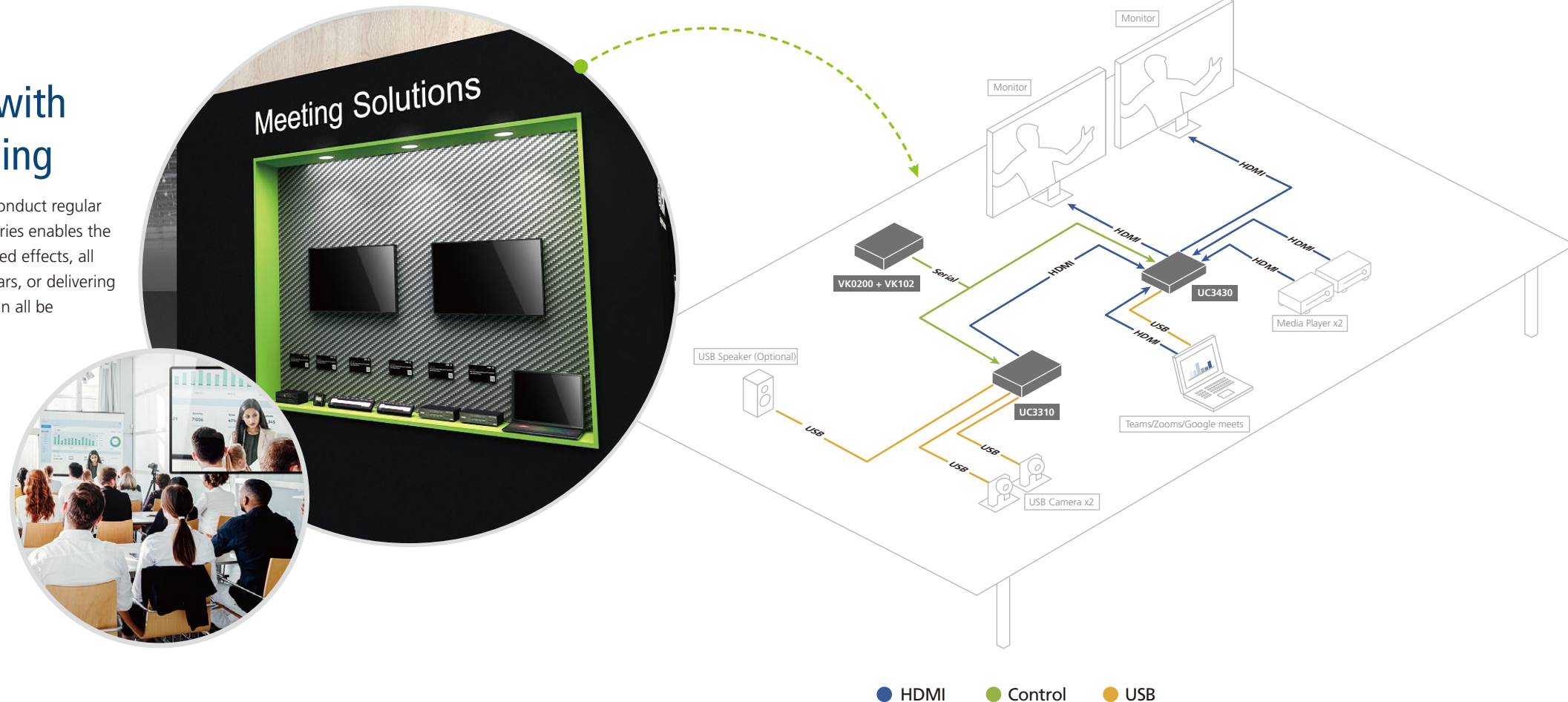
- RBS supports scan-card and pin-code functions to enhance security for room booking
- VK211 provides remote control capability for USB devices
- ATEN Pro Audio series Amplifier and Speaker can be integrated to establish a complete A/V solution
- VK320 8" touch panel features table and wall mounting options
- VP2420 enables true 4K multi-view presentation with Seamless Switch™ and matrix output



Spice Up Conference Collaboration with Creative and Seamless Video Switching

With hybrid work remaining a trend in the new normal, having effective tools to conduct regular meetings or conferences becomes crucial. ATEN's CAMLIVE™ Content Creation series enables the production of professional-grade video content with smooth transitions and polished effects, all managed by a single person. Whether conducting virtual meetings, hosting webinars, or delivering online presentations, video creation, quick switching, and mixing of video/audio can all be seamlessly integrated with leading web conference software platforms.

- **(UC3430)** supports mixing and switching of four high-quality videos in conference scenarios at up to True 4K resolution.
- **(UC3430)** supports app-based control and 4K USB video output supports the latest web conference software such as Microsoft Teams, Zoom, and Google Meet.
- Integrates two webcam USB video and audio feeds via CAMLIVE MX (UC3310) as regular HDMI video inputs
- **ATEN Control System (VK0200+VK102)** provides remote control capability for both devices.



Elevating Audio Performance and Integration for Enhanced Meeting Experiences

Experience superior audio performance and seamless integration with ATEN's Meeting Room solution, designed to elevate your meeting experiences to new heights.

• Speaker Range (AS104, AS106, AS108)

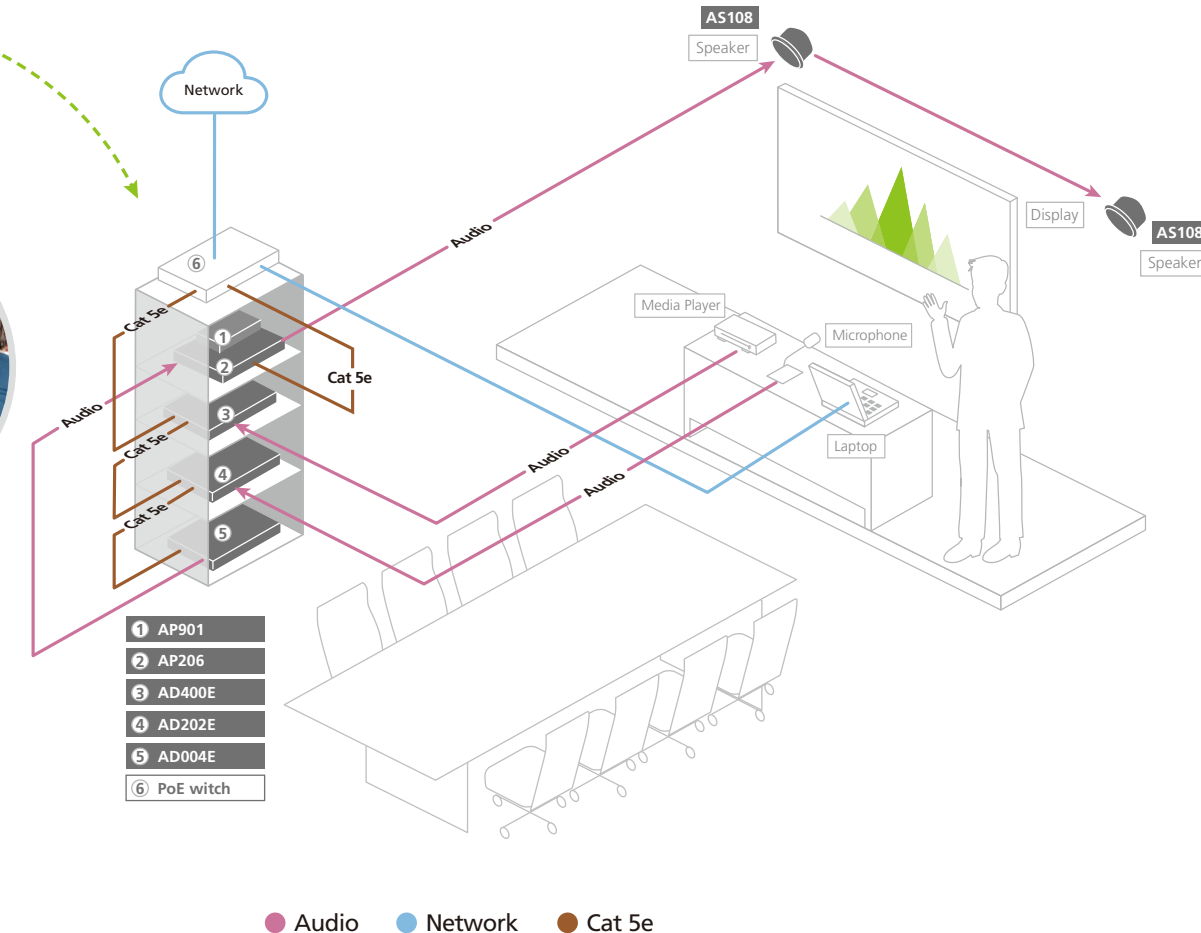
- Available in 4-inch, 6.5-inch, and 8-inch sizes, each featuring a slim edge magnetic speaker grill for effortless installation
- The equipped coaxial tweeter and woofer design eliminates phase issues commonly found in 2-way speakers
- The zinc-plated steel back enhances bass quality and provides fire resistance for public spaces

• Power Amplifier with DSP and Expansion Cards (AP206, AP212, AP901, AP902)

- Provides built-in DSP for easy configuration via WebGUI.
- Compatible with ATEN VK control units through LAN or RS232 connection
- The addition of the AP901 Dante card makes the AP2 amplifier Dante compatible, while the AP902 preamp card adds two additional mic/line channels

• Audio DSP with Dante (AD400E, AD004E, AD202E)

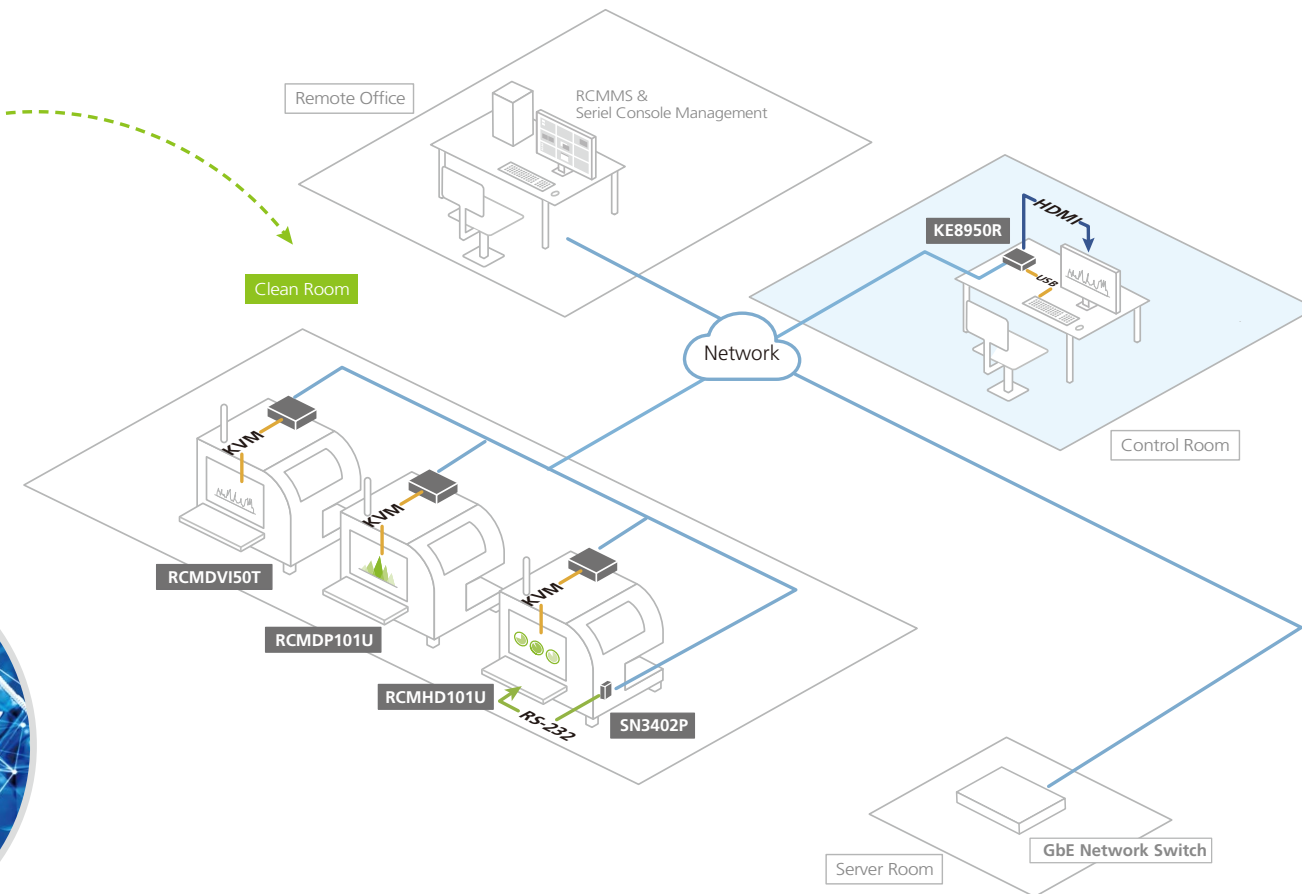
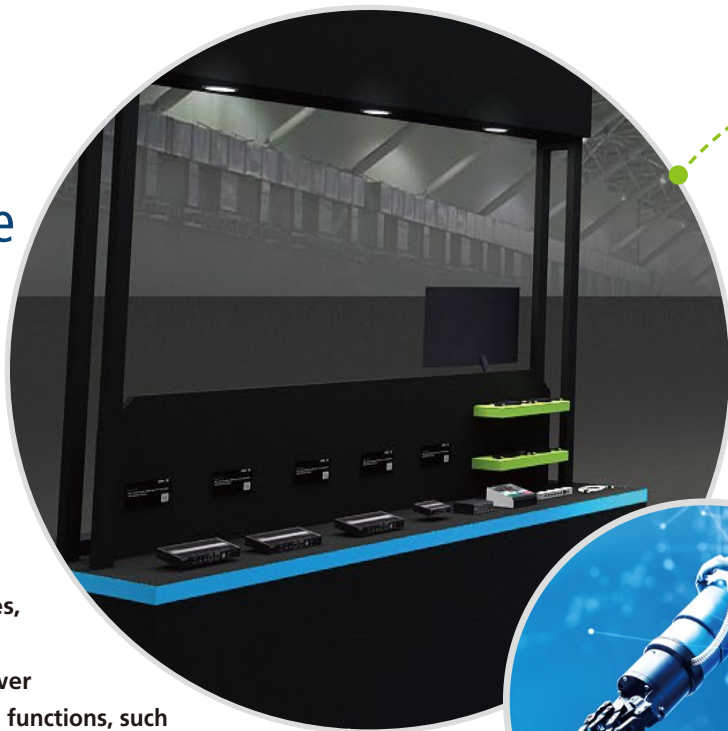
- The decentralized DSP design is ideal for mid-small spaces or applications
- The AD202E model features AEC and FBS functions, enhancing audio quality for online meetings and distance learning



Optimizing Facility Management Operations with High-Performance RCM Management Solutions

In a PLC-driven production line environment with a seamless integration of numerous devices and software, the primary aim is to monitor and automate production processes, optimizing the use and reuse of high-cost equipment. Effective management of this system demands continuous oversight of power meters, water-cooled chillers, dust collectors, scrubbers, etc.

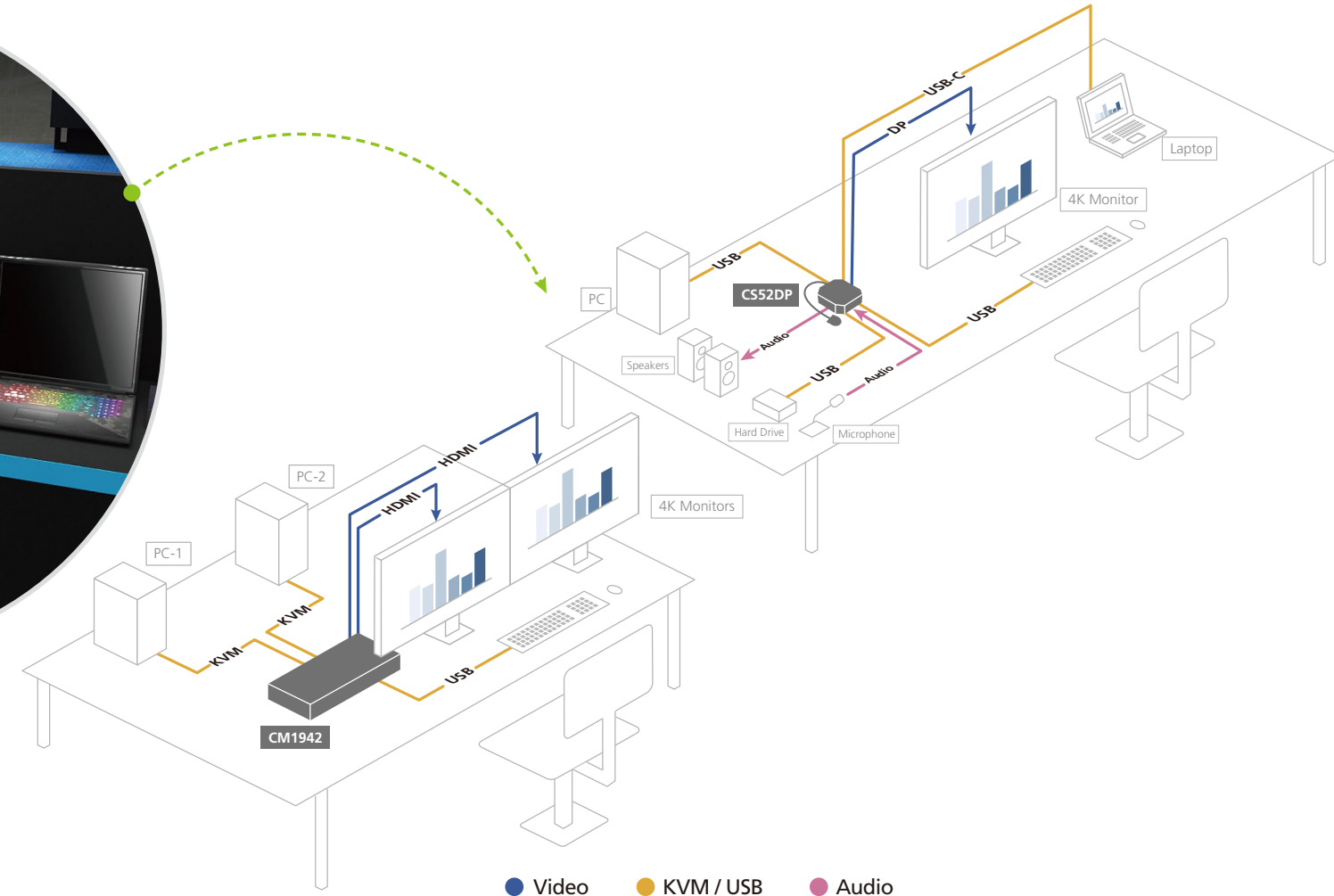
- **SN3402P** offers network connectivity to serial-interfaced devices, allowing device data to be collected by SCADA
- **SN3402P** features surge protection for serial, Ethernet, and power
- RCM models support exclusively integrated RCM APIs with various functions, such as OCR, for system integrators
- RCM models support RCMMS software for customizable Panel Array (real-time multi-view function) for operators to monitor all machines simultaneously



Jumpstart Desktop Multitasking Productivity with ATEN's Desktop/Cable KVM Solutions

As the workforce becomes increasingly mobile, transitioning between home and hybrid offices, agility becomes paramount for effective multitasking and sustained productivity. Desktop ergonomics play a pivotal role in ensuring productivity, while effective collaboration tools are essential for communicating with dispersed teams. ATEN's Desktop (CM1942) / Cable (CS52DP) KVM solutions empower you to seamlessly navigate the demands of modern work environments.

- **Exceptional 4K60 DCI visual performance**
- **(CM1942) Single- / Dual-PC modes to facilitate matrix KVM switching**
- **(CM1942) Boundless Switching to enable instantaneous switching between 2 PCs by moving the cursor across 2 monitor screens**
- **(CM1942) Audio Mixer Mode to mix up to 2 audio sources as one audio output**
- **(CS52DP) DisplayPort Alternate Mode to enable DisplayPort signal transmission via USB connection**
- **(CS52DP) Multiplatform support: Windows, Mac, Linux, Android, iOS**



為品牌打造專屬聲音

AI Voice 優聲學提供 AI 語音合成技術，針對醫療、長照和公共廣播等需求，提供自然流暢、且符合台灣人語調的中文及台語 TTS。

- 中文與台語 TTS：提供符合台灣語調的中文及讓老年人更好理解的台語 TTS。
- 語音克隆：訂製 TTS 聲音模型，打造專屬音訊內容。
- 邊緣運算整合：在交通、ATM 和廣播等領域實現無縫運行。
- 應用整合：為客戶特定需求提供 AI 模型部署諮詢。

A Unique Voice for Your Brand.

AI Voice offers cutting-edge AI Voice technology, providing fluent Mandarin and specialized Taiwanese TTS. Tailored for healthcare, long-term care, and public broadcasting needs.

- **Mandarin and Taiwanese TTS:** Personalized voice interactions with natural, clear and accessible Mandarin and Taiwanese TTS, beneficial for elderly users.
- **Complete Clone Services:** Custom TTS models for authentic audio content.
- **Edge Computing Integration:** Seamless operation in transportation, ATMs, and broadcasting.
- **Application Integration:** Offers consulting services to adapt AI models for specific client needs.



Disaster Response Center - Control

KX9970T / KX9970R 5K DisplayPort KVM over IP Transmitter / 5K DisplayPort KVM over IP Receiver

- Native DP signal processing with color depth up to 12 bits
- Lossless video compression up to True 4K, 5K with zero latency
- Support 32:9 ultra-wide resolution
- Support USB isochronous transfer (USB camera, USB speaker)



Disaster Response Center - Visualization

VW3620 36 x 20 Modular Video Wall Processor

- 7 input slots, 5 output slots, and 2 function board slots for 36-in/20-out modular scalability
- Restriction-free window placement (Multiview, cross border, cropping, overlapping, etc.)
- FPGA-enabled 4K60 scalability and diverse LED display compatibility
- Redundant CPU; hot-swappable power module, I/O cards, and cooling fan



VE8962 True 4K HDMI Over IP Transmitter/ Receiver with PoE

- Limitless scalability True 4K HDMI over IP solution with user-friendly web GUI
- Visually lossless HDMI up to 4K x 2K@60Hz, 4:4:4 w/ ultra-low latency
- Daisy Chain – easy expansion
- Horizontal / vertical Video Wall



UPCOMING



All-Digital Server Room Management

KG0032 32-Port KVM over IP OmniBus Gateway

- Simultaneously shares 32 independent connections to the attached servers
- The intuitive WinClient AP's supports of an Array View and a Control View
- Supports Panel Array Mode™ Live+
- Supports TLS 1.3 and an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #4282)



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SN1132CO 32-Port Serial Console Server with Dual Power / SFP

- Secure in-band, out-of-band remote serial console and USB console access
- Auto-sensing DTE/DCE feature supports a direct connection to Cisco network switches
- Dual power supplies and SFP slots allow fail control
- Sensor ports for environmental monitoring



CV211 Laptop USB KVM Console Crash Cart Adapter

- Transforms your laptop into a mobile console for servers, kiosks and ATMs
- BIOS-level access and no software installation
- File transfers between laptop and target computer
- Bus-powered design



CL5708MW 8-Port PS/2-USB VGA Single Rail LCD KVM Switch

- Integrated 8-Port KVM switch with 17.3" FHD LCD monitor in 1U space
- Control up to 256 computers from a single console with daisy-chained additional 31 switches
- Exclusive illumination light to allow visibility in low-light conditions



All-Digital Server Room Management

PG98230G

20A/16A 30-Outlet 3-Phase Outlet-Metered & Switched eco PDU

- ARM Cortex-A8 processor
- Allows for connecting up to 64 PDU units with cascading
- Energy-efficient relays for energy-saving
- Precise kWh metering (+/-1%) for better power consumption habits, baselines, and initiative tracking



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Air Traffic Control

CS1942ATC

2-Port USB 3.0 4K DisplayPort Dual Display KVMPTM Switch for ATC

- Supports radar monitoring 2048 x 2048 @ 60 Hz; max. up to 4k DCI
- Zero-Second Switch – real-time switching with no black screen
- Dual DC jacks for power redundancy to ensure constant availability



KG8950

USB 4K DisplayPort KVM DigiProcessor

- 4K: 3840 x 2160 @30Hz; 24-bit
- 4.3W: Can be powered by a single USB 3.0 connection
- 4.8 Inches: Compact, lightweight design featuring all around heat sinks
- 3 easy ways of space-saving OU Installation
- Industrial-grade RJ-45 lightning protection components are used



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Meeting Solutions

UC3430

CAMLIVE™ PRO 4K 4-Input HDMI to USB Video Switcher

- Supports 4K@60 HDMI video x 4 seamless switch, mixing, and capture
- Supports 4K@60 HDMI PGM/Loop-out and 4K@30 USB video out simultaneously
- Supports third-party control systems and ATEN OnAir Lite app



UC3310

CAMLIVE™ MX UVC Camera Seamless Matrix

- Supports 4K@30 USB camera x 2 for seamless switch and HDMI output
- Supports USB audio in/out for matrix switching
- Supports third-party control System integration
- Supports PTZ camera controllers (VISCA)



VK320 + VK102

8" Touch Panel + Tabletop Kit (EU, 2-Gang)

- 8" touch panel with narrow bezel modern design
- Designed for ATEN Control System integration
- In-wall design – perfectly fits in building decoration
- Integrated with VK102 for desktop usage



VK430 + VK401

Room Booking System - 10.1" RBS Panel + Access Inspector

- 10.1" touch panel with LED light bars for room status indication
- Add-on VK401 enhances security through access control
- Room Booking System integrates with Microsoft 365, Exchange, and Google Workspace



Meeting Solutions

VK211 RS-232/Contact to USB Keyboard Converter

- Converts RS-232 commands to USB keyboard signals
- Executes up to 4 preset actions via the contact in port
- Local USB console for keyboard/mouse connection
- On-panel priority button for local control



VP2420 4x2 True 4K HDMI Presentation Switch with Multi View

- True 4K resolution and scalability
- Multiple layouts: Quad view, PiP, PbP, etc.
- Supports mobile app and web GUI



Audio System Solutions

AP212 2 x 120W Power Amplifier with DSP

- 2 x 120W DSP power amplifier driving 4Ω or 70V/100V speaker system
- Professional amp and speaker protection
- DSP configured via Web GUI
- Compatible with ATEN VK system via RS-232 or LAN



AD202E 2-ch Mic/Line In/Out Audio Processor with DSP and Dante

- 4 x 4 Audio Matrix with 2 x 2 analog I/O and 2 x 2 Dante Ultimo transmission
- Built-in 24-bit DSP with AEC and FBS for on-line application
- Compatible with ATEN VK Control Unit through RS-232 or LAN



Audio System Solutions

AS108 8" Coaxial Ceiling Loudspeaker

- Consists of high-output woofer and 20mm dome tweeter
- 65–20 kHz bandwidth and switchable for use on 70/100V lines or at 8Ω
- Easy installation with magnetic grille and dog leg mounting



RCM Solutions

RCMHD101U 1-Local / Remote Shared Access Single Port 4K HDMI KVM over IP Switch

- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Supports RCMMS for operators to monitor all machines simultaneously
- Supports exclusively integrated RCM APIs with various functions for system integrators



RCM Solutions

SN3402P 2-Port RS-232/422/485 Secure Device Server with PoE

- 2 RS-232/422/485 serial ports for secured serial data over Ethernet transmission
- Redundant power input
- IEEE 802.3af-compliant PoE PD equipment
- Support Modbus gateway to convert between Modbus TCP and Modbus RTU / ASCII protocols



RCMDVI50T DVI-I Single Display KVM over IP Transmitter with Remote Access

- Supports DI / DO / Relay for the status detection of stack lights or any other external sensors
- Supports RCMMS for operators to monitor all machines simultaneously
- Supports an exclusive RCM API that enables more functions to facilitate production line control for system integrators



Desktop Workstations Solutions

CM1942

2-Port 4K DisplayPort Dual Display Mini-Matrix Boundless KVM Switch

- With dual-display and boundless switching simplifies CM1942's 2 x 2 computer/monitor matrix.
- Resolution up to 4K DCI
- Dual PC Mode: Each computer can be displayed on either monitor separately



CS52DP

2-Port USB-C DisplayPort Hybrid Cable KVM Switch

- One KVM console controls one USB DisplayPort computers and one USB-C device
- Superior up to 4k DCI
- Supports DisplayPort Alternate Mode which enables the USB connection to carry DisplayPort signals



USB Solutions

CS1184DP4C

4-Port USB DisplayPort Secure KVM Switch with CAC (PSD PP v4.0 Compliant)

- Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements
- Always-on chassis intrusion detection – renders the switch inoperable when physical tampering is detected
- Configurable Device Filtration – supports administrative configuration to filter specific USB authentication devices and USB HID devices
- Port selection via pushbuttons / Remote Port Selector (RPS) only to enhance security



UH3240

USB-C Multiport Dock with Power Pass-Through

- 10-in-1 dock with 2 x HDMI, 1 x USB-C, 3 x USB-A, 1 x SD/Micro SD, 1 x Ethernet, and 1 x audio jack
- Supports 4K@144Hz for single video output or 4K@60Hz for dual video outputs
- Supports USB PD 3.0 for charging up to 100W





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