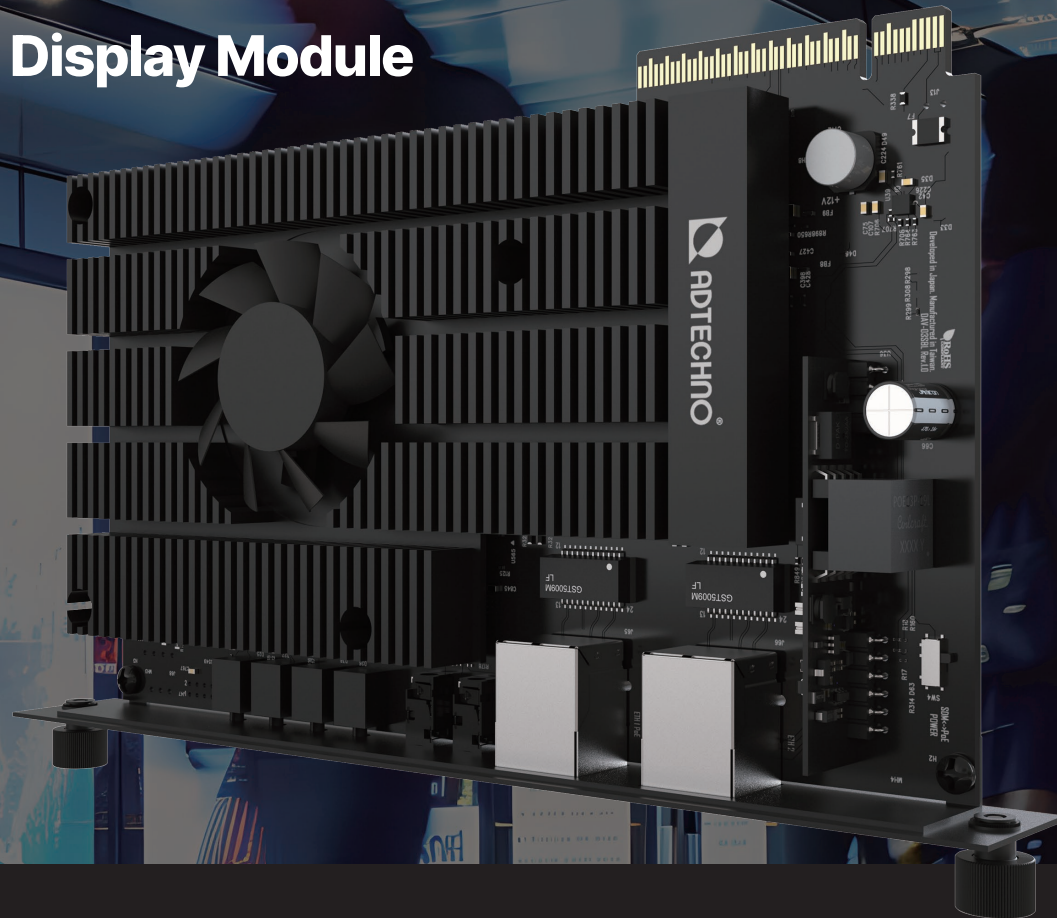# Dante AV Ultra™

Dante AV Ultra Colibri to Intel® Smart Display Module

Next-Gen AV Over IP,
Built Into Your Display.

2025 **BEST OF SHOW** InfoComm
AV TECHNOLOGY
WINNER

ADTECHNO®

- Stunning 4K UHD 60p 4:4:4 Video Output
- Visually Lossless Colibri Codec Compression
- Intel® SDM-L Platform Integration
- Dual Ethernet Ports with Native Daisy-Chain Support
- Video Wall Synchronization
- Flexible Power Configuration (PoE & SDM Host Power)
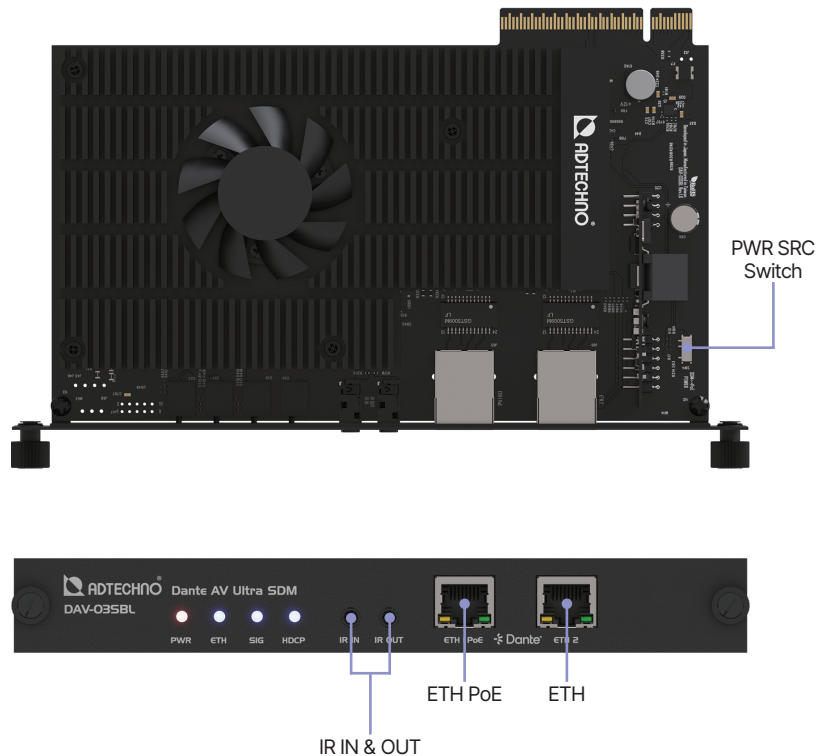- Seamless Integration with the Full Dante Ecosystem
- AES67 Audio Interoperability

Dante®

Dante AV Ultra Smart Display Module DAV-03SBL

Dante AV Ultra Colibri to Intel® SDM

- Up to 4K Ultra HD 60p 4:4:4
- HDR 10 & HLG
- Support Videowall
- Daisy-Chain Connectivity
- 1GbE PoE IP + 1GbE IP
- IR In/Out ports

Connections

PWR SRC Switch

IR IN & OUT

ETH PoE

ETH

What is Dante AV

Dante AV is a simplified, scalable and interoperable platform for managing and distributing networked audio & video signals everywhere.

Adaption of ProAV-optimized Colibri codec

In the main use case of ProAV, preserving high quality of complex graphical content poses a significant challenge. The new Colibri codec has been specially designed to bridge this gap, providing seamless distribution and delivery of high-quality complex graphical content for 4K60 over 1GbE. The ADTECHNO Dante AV Ultra incorporates this newly optimized video codec to flawlessly encode any graphical content while preserving visually lossless quality for graphical and video content.

* Interoperability requires consistency in the video codec used on both the encoder and decoder.

Stunning 4K UHD 60p 4:4:4 Video Output

Experience uncompromised visual clarity with ultra-detailed 4K UHD resolution at 60 frames per second and 4:4:4 chroma subsampling. Perfect for demanding environments like live events, broadcasting, digital signage, and mission-critical monitoring, where every pixel counts.

Dual Ethernet Ports with Native Daisy-Chain Support

Simplify your network architecture with built-in dual Ethernet ports that support daisy-chain connections. Easily distribute signals across multiple displays without the need for external switches or hubs, reducing installation costs and potential points of failure.

Perfect Synchronization of Audio and Video

Dante AV Ultra employs a single clock to synchronize seamlessly with one another over the network using the IEEE 1588 Precision Time Protocol (PTP), delivering sub-microsecond synchronization.

Imperceptible subframe latency

Dante AV Ultra streams and transport video and audio content with highest performance and lowest latency - 4K60 with 8ms or less latency

Intel® Smart Display Module Platform Integration

Designed for Intel® SDM-L, the DAV-03SBL fits directly into compatible displays and projectors. This eliminates the need for external AV receivers or decoder boxes, enabling elegant, all-in-one installations with reduced system complexity.

Video Wall Synchronization

Create immersive large-scale video walls with support for synchronized multiple displays. Thanks to built-in synchronization and Dante AV Ultra precision timing, no external processors or synchronization tools are required—just plug, configure, and deploy.

The largest AV over IP technology ecosystem

Compatible with over 4,000 existing Dante products available on the market. Controlling video, audio and control signals has never been easier with the familiar Dante Controller Software. Installing ADTECHNO Dante AV Ultra onto an existing 1GbE network infrastructure is straightforward, without encountering management difficulties and performance issue.
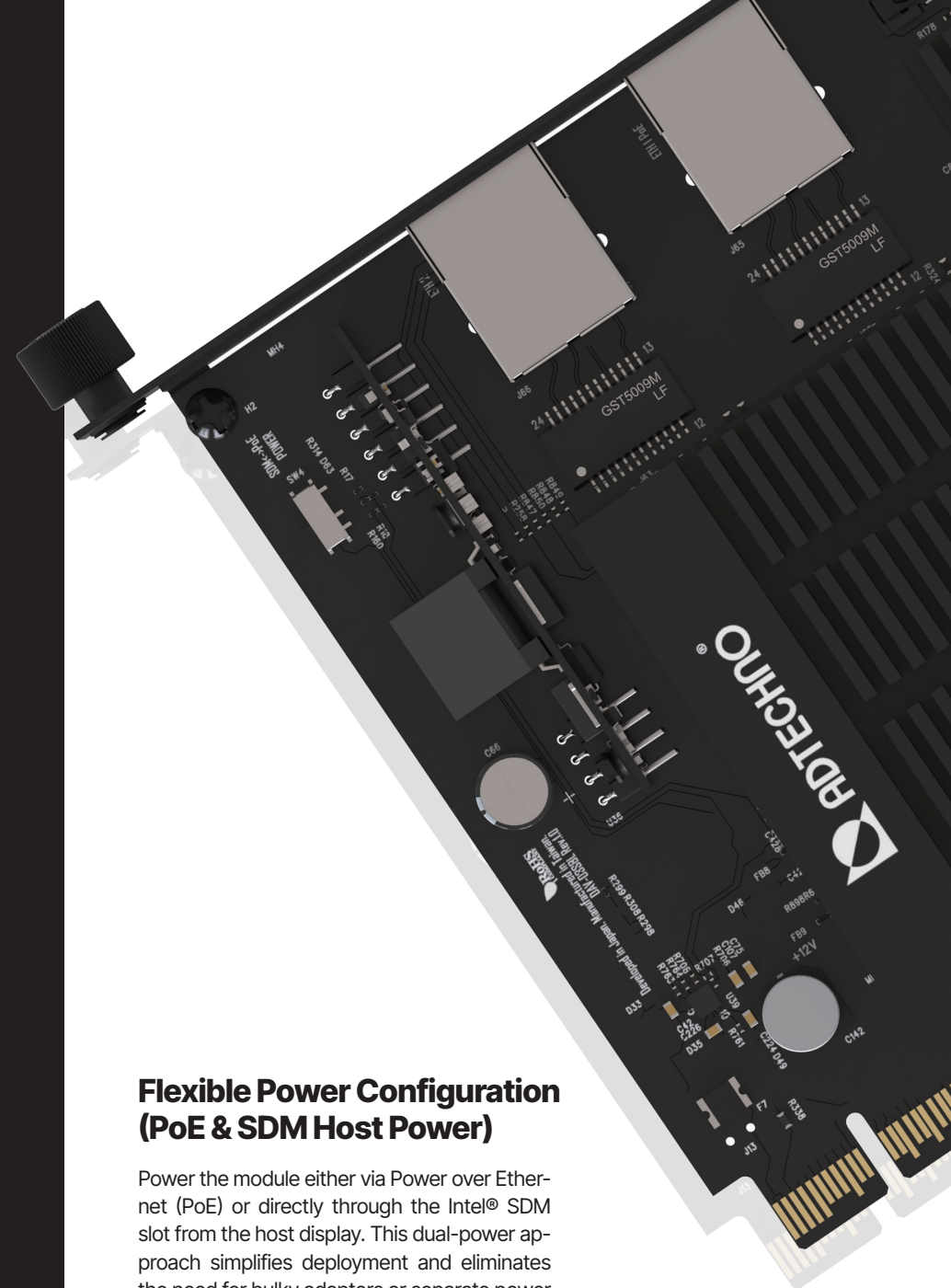
50,000+ certified users

4,000+ products

600+ manufacturers

Flexible Power Configuration (PoE & SDM Host Power)

Power the module either via Power over Ethernet (PoE) or directly through the Intel® SDM slot from the host display. This dual-power approach simplifies deployment and eliminates the need for bulky adapters or separate power supplies.

Specifications

Model No.		DAV-03SBL
Audio/Video Input		1 × RJ-45 with PoE -1GbE
Audio/Video Output		1 × SDM Golden Finger, 1 × RJ-45 (*1)
Other I/O	IR Input	1 × 3.5mm stereo jack
	IR Output	1 × 3.5mm stereo jack
Dimensions		195 (W) × 112 (D) × 25 (H) mm *protrusions not included
Weight		Approx 350g
Power		PoE 802.3 af or SDM Host
Power Consumption		10W max.
Operating Temperature		0 to 40 °C (32 to 104 °F)
Storage Temperature		-40 to 60 °C (-40 to 140 °F)
Operating Humidity		10 – 90% *noncondensing
Box Content		1 × DAV-03SBL / 1 × Quick User Guide
Warranty		1 year

*1) For daisy-chain use only

Formats

Video Output Format

4096 × 2160p	23.98/ 24/ 25/ 29.97/ 30/ 50/ 59.94/ 60
3840 × 2160	23.98/ 24/ 25/ 29.97/ 30/ 50/ 59.94/ 60
2560 × 1600	60
1920 × 1200p	60
1920 × 1080p	23.98/ 24/ 25/ 29.97/ 30/ 50/ 59.94/ 60
1600 × 1200	60
1280 × 720p	50/ 59.94/ 60
1080i	50/ 59.94/ 60
1024 × 768	60
576p	50

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