

KVM Development & Support



kvm-tec Extender over ip

KVM-over-IP Solutions

Product portfolio, technologies and selection guide

Full HD to 4K | Copper & Fiber | Point-to-point to large matrix systems

KVM Development & Support GmbH · Baden, Austria

KVM Development & Support
kvm-tec Extender over ip

FLEXLINE

FULL HD
KVM EXTENDER OVER IP

1000
endpoints
Matrix Switching

< 1.38 ms
latency
without delay

1920x1200
at 60 Hz
Full HD

24V
for Industry
redundant
Reliability





MAXFLEX - compact, reliable, flexible
Dual Fiber DVI, DVI-D / USB 2.0, in Fiber

 Subject to typographical errors, inaccuracies, and technical changes

 www.kvm-development.com

Who is KVM Development & Support GmbH?

In May 2026, the original founders sold back the company's key technologies, products, hardware and firmware rights, and technical know-how.

Since then, KVM Development & Support has continued to manage the proven product lines and ensures product availability, ongoing development, and personalized support from Austria for existing customers.



Ing. Dietmar Pfurtscheller
CEO



Ingrid Pfurtscheller, MSc
CFO and Marketing

Who is KVM Development & Support GmbH?

Young Team Takes on Entrepreneurial Responsibility

A central pillar of the relaunch is the young core team from development, support, sales, marketing, and logistics. The employees will hold an equity stake in the company, thereby becoming co-owners themselves.

In this way, KVM Development & Support combines the founders' experience with new ideas, technical expertise, and long-term responsibility. At the same time, valuable development and product knowledge remains permanently within the company and in Austria.



Degenhard Trubacek
Head of Software
Engineering



Birgit Kermer
Head of Office-,
Ordermanagement and
Marketing



Elvis Weber
Head of IT-Support



Martin Comina
Head of Software
Development



Saad Dahbour
Warehouse and Logistic
Manager

Who is KVM Development & Support GmbH?

ORF Confirms Confidence in Technology and Team

The ORF's decision is therefore particularly significant: It confirms not only the performance of our proven technology but also the trust placed in KVM Development & Support following the relaunch. The ORF is thus relying on Austrian development expertise, long-term product availability, and direct technical support from Baden.

“The ORF has been familiar with our technology for years through its daily professional use. The fact that Austria's largest media company continues to rely on our systems and our team even after our relaunch is the strongest endorsement we could receive. The ORF framework agreement shows that the original kvm-tec technology is back—reliable, available, and with a clear future,” says Dietmar Pfurtscheller, CEO of KVM Development & Support GmbH.



Why KVM-over-IP?

Separate computers from operator workplaces while keeping video, USB and audio responsive and accessible.

Centralize & protect

Move computers into controlled server rooms while operators stay at ergonomic, quiet workplaces.

Extend & route

Transport video, USB and audio over CATx or fiber; use direct links or networked matrix switching.

Scale by workflow

Portfolio spans compact Full HD endpoints through scalable Full HD matrices and high-end 4K / multiview platforms.

Professional environments

Broadcast, control rooms, industry, public safety, healthcare, transport, IT and critical infrastructure.

A common KVM-over-IP ecosystem

- Video, USB and audio delivered where the operator needs them
- Copper or fiber selected for distance and environment
- Start point-to-point; grow into centrally managed matrix infrastructures
- Fanless, compact and rack-integrable variants across the portfolio



Portfolio at a glance

Five product lines cover compact Full HD, scalable Full HD, 4K and multiview requirements.

ECOsmart

Full HD · compact

Zero-space local unit;
compact dongle format.

EASYLINE

Full HD · entry

SmartEASY / MasterEASY;
copper or fiber; up to 56
endpoints.

FLEXLINE

Full HD · scalable

SmartFLEX / MasterFLEX /
MaxFLEX / USBFLEX /
IndustryFLEX; up to 100 or
1,000 endpoints depending
on model.

media4Kconnect

4K · high-end

4K60 / 5K ultrawide over
single fiber; <0.47 ms; up to
2,000 endpoints.

SCALABLELINE

4K · multiview

Multiview, PIP, videowall and
scalable windows; up to 64
sources.

Compact / single workplace

Growing matrix infrastructure

4K / complex visualization

Full HD platform: shared performance baseline

Across the supplied EASYLINE and FLEXLINE data sheets, the core Full HD platform emphasizes low latency and industrial reliability.

1920×1200

@ 60 Hz Full HD

< 1.38 ms

latency

USB 2.0

up to 480 Mbit/s*

24 V

industrial focus

CATx / Fiber

media options

P2P / Matrix

topologies

*USB rate shown in detailed technical sheets for supported models.

What changes between product families?

- Matrix scale: 56 → 100 → 1,000 endpoints
- Single vs. dual video streams
- Copper vs. fiber transmission
- Audio / RS232 / USB feature set by model
- Enclosure density and rack integration



ECOsmart — zero space in the rack

Ultra-compact Full HD local unit designed to connect directly to the computer and avoid consuming rack space.



Full HD

1920×1200 @ 60 Hz

1.38 ms

latency

40×20×95

mm dimensions

Positioning

- Dongle-format local unit powered via USB
- CATx connectivity for point-to-point and matrix use
- DVI and USB 2.0 connectivity
- Designed for server rooms, control rooms, workstations and data centers

EASYLINE — simple Full HD matrix entry

SmartEASY and MasterEASY target straightforward Full HD extension and matrix switching without an external switching manager.



56

endpoints

<1.38 ms

latency

1920×1200

@ 60 Hz

SmartEASY

- Compact and reliable
- Single or dual copper variants in supplied sheets
- DVI / DVI-D and USB 2.0

MasterEASY

- Single / dual variants
- Copper and fiber options
- Adds audio on MasterEASY variants

FLEXLINE — scalable Full HD platform

The supplied FLEXLINE families step from 100-endpoint systems to 1,000-endpoint matrix infrastructures, including IndustryFLEX for industrial environments.



SmartFLEX

100 endpoints
Copper · single/dual



MasterFLEX

100 endpoints
Copper/Fiber · single/dual



MaxFLEX

1,000 endpoints
Copper/Fiber · single/dual



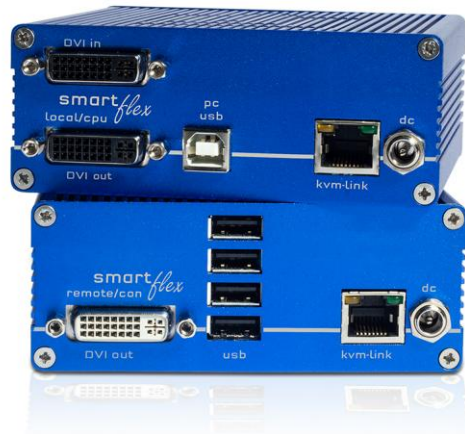
USBFLEX

1,000 endpoints
USB-focused · Copper/Fiber

Common FLEXLINE themes: low-latency Full HD, matrix switching, compact enclosures, USB 2.0 and industrial-oriented operation. IndustryFLEX adds a dedicated copper/fiber industrial variant.

SmartFLEX — customized matrix up to 100 endpoints

A compact FLEXLINE starter platform for point-to-point links and matrix systems.



100

endpoints

<1.38 ms

latency

150 m

CATx (website)

Key capabilities

- Single and dual copper variants
- DVI-D / USB 2.0 over IP
- Embedded sound on the dual product page
- Video sharing, USB sharing and multi-head support
- Freeze-last-image feature
- Ultra-flat form factor; up to four dual units in 1U

MasterFLEX — 100-endpoint Full HD with richer I/O

MasterFLEX combines single/dual video options with copper or fiber and adds audio; detailed sheets show USB 2.0 and industrial mechanics.

Selected technical details from supplied sheets



- DVI-D video up to 1920×1200 @ 60 Hz
- USB 2.0 transparent, up to 480 Mbit/s
- Analogue audio: 16 bit / 44 kHz / 2 channels
- Anodized aluminum enclosure, approx. 108 × 43 × 107.5 mm
- Fanless / free-air convection
- Copper uses RJ45; fiber uses Duplex LC
- Single Fiber part no. 6013 SET; Dual Fiber part no. 6023 SET

MaxFLEX — Full HD matrix scale up to 1,000 endpoints

The MaxFLEX family is positioned for larger Full HD matrix installations with copper or fiber and single/dual variants.



1,000

endpoints

<1.38 ms

latency

100 m

CATx (dual sheet)

Capabilities highlighted in the supplied dual-copper sheet

- Video and USB sharing; multi-head support
- Embedded audio, USB memory functions and RS232
- Freeze-last-image feature
- Standard network component compatibility
- Up to four single or dual units in 1U
- USB storage support can be enabled/disabled for an additional security layer

USBFLEX — USB-centric Full HD extension

USBFLEX focuses on extending USB 2.0 over the same Full HD KVM-over-IP ecosystem, with copper and fiber variants.

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FLEXLINE

FULL HD KVM EXTENDER OVER IP



1000
endpoints
Matrix Switching



< 1.38 ms
Latency
without delay



1920 x 1200
at 60 Hz
Full HD



24V
for industrial
redundant
fail-safe operation



USBFLEX – compact, reliable, flexible
Single Copper DVI, DVI-D/USB 2.0, in CATx

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FLEXLINE

FULL HD KVM EXTENDER OVER IP



1000
endpoints
Matrix switching



< 1.38 ms
latency
virtually delay-free



1920 x 1200
at 60 Hz
Full HD



24 V
for industrial
redundant reliability



USBFLEX – compact, reliable, flexible
Single Fiber DVI, DVI-D / USB 2.0

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Subject to misprints, errors and technical changes.

1,000

endpoints

<1.38 ms

latency

Use when peripheral extension is the primary requirement

- Copper/CATx and fiber versions
- USB 2.0 device connectivity
- 24 V industrial positioning in supplied sheets
- Matrix switching for large endpoint counts
- Same compact, reliable, flexible FLEXLINE design language

Copper or fiber?

Choose the transmission medium based on distance, environment and infrastructure.

Copper / CATx

Best fit for shorter in-building runs and reuse of familiar structured cabling. Supplied SmartFLEX web data specifies up to 150 m; MaxFLEX dual copper sheet specifies up to 100 m. RJ45 is used on detailed MasterFLEX copper specifications.

Fiber

Best fit for longer distances or electrically challenging environments. Detailed MasterFLEX fiber sheets use Duplex LC. The broader portfolio website states solutions can extend to optional 120 km, depending on product line / option.

Selection principle: use the model-specific data sheet for the definitive distance and interface specification.

4K expansion: media4Kconnect

For workflows beyond Full HD, media4Kconnect extends the portfolio into high-end 4K and ultrawide operation.

4096×2160

@ 60 Hz

<0.47 ms

latency

2,000

endpoints

300 m

standard fiber

120 km

optical option

Website highlights

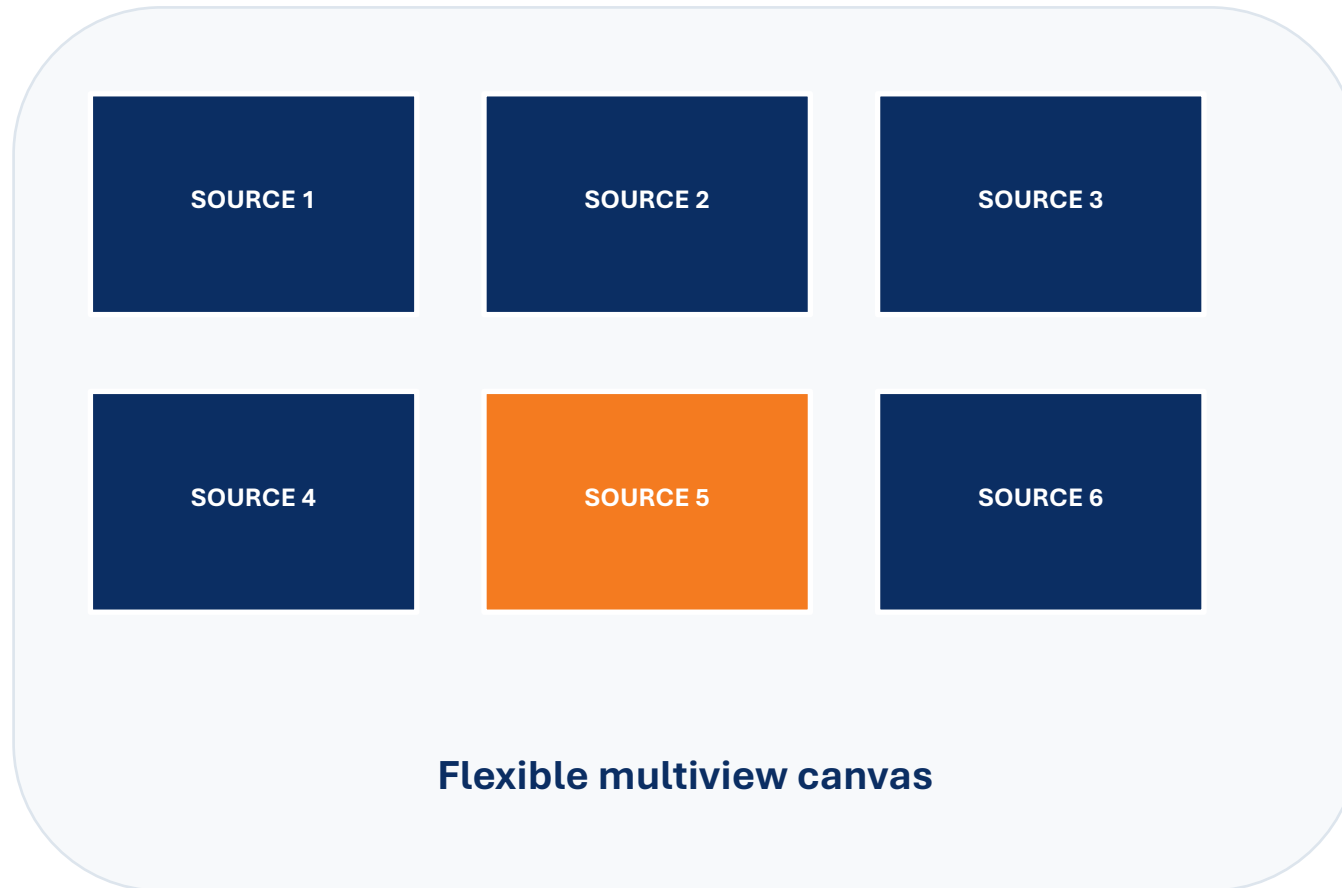
- DisplayPort 1.2 over single fiber
- 4 single extenders in 1U
- Mouse glide & switch
- Freeze last image and USB Save
- Upgrade options: HDR, uncompressed, redundant, downscaling
- Supports 5K super-ultrawide workflows according to the current portfolio site

**4K / 5K
HIGH-END**

Single Fiber · low latency · matrix-ready

SCALABLELINE — multiview and complex visualization

The current portfolio positions SCALABLELINE for multiview, picture-in-picture, videowalls and freely scalable windows.



64

sources

Portfolio positioning

- Multiview and PIP
- Videowall applications
- Freely scalable windows
- Designed for complex operator visualization and professional 4K environments

How to choose the right platform

Start with workflow requirements, then select resolution, scale, transmission medium and I/O.

Need	Recommended starting point
Zero rack space / compact local	ECOsmart
Simple Full HD matrix ≤56 endpoints	EASYLINE
Growing Full HD matrix ≤100 endpoints	SmartFLEX / MasterFLEX
Large Full HD matrix ≤1,000 endpoints	MaxFLEX / USBFLEX
4K / 5K high-end, up to 2,000 endpoints	media4Kconnect
Multiview / PIP / videowall	SCALABLELINE

Then validate

- Single vs. dual display
- Copper vs. fiber distance
- USB / audio / RS232 requirements
- Redundancy and industrial power
- Rack density
- Switching manager / topology
- Exact part number and technical sheet

Typical application environments

KVM-over-IP keeps computing resources protected and centralized while operators retain direct access.

Control rooms

Central sources, responsive operator access and scalable switching.

Broadcast

Quiet production spaces and precise video / USB / audio workflows.

Industry

Protect PCs from dust, heat and harsh production environments.

Critical infrastructure

Availability, control and physical separation of IT assets.

Healthcare

Centralized systems and clean operator environments.

IT & integration

Flexible infrastructure that can grow from direct links to matrices.

Product comparison — Full HD families

High-level selection matrix based on supplied sheets and current KVM Development website.

Family	Resolution	Matrix scale	Media	Typical differentiator
ECOSmart	1920×1200	P2P / matrix	CATx	Zero-space local unit
EASYLINE	1920×1200	Up to 56	Copper / Fiber	Simple entry, no external switching manager
SmartFLEX	1920×1200	Up to 100	Copper	Compact customized starter
MasterFLEX	1920×1200	Up to 100	Copper / Fiber	Audio + single/dual options
MaxFLEX	1920×1200	Up to 1,000	Copper / Fiber	Large Full HD matrix; RS232 / sharing features
USBFLEX	1920×1200	Up to 1,000	Copper / Fiber	USB-centric extension

All model-specific limits, interfaces and distances should be confirmed against the exact data sheet / part number before system design.

Key takeaways

A portfolio designed to grow with the KVM requirement — from one compact endpoint to complex 4K infrastructures.

1 Choose by workflow first

Resolution, endpoint count, topology and I/O determine the right family.

2 Full HD scales in clear steps

EASYLINE up to 56, Smart/MasterFLEX up to 100, Max/USBFLEX/IndustryFLEX up to 1,000 endpoints.

3 4K and multiview extend the ecosystem

media4Kconnect and SCALABLELINE address high-end image quality and complex visualization.

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latency
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MAXFLEX - compact, reliable, flexible
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Let's design the right KVM infrastructure

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Sources: supplied product data sheets and KVM Development & Support website, accessed September 2026.