KVM-OVER-IP TECHNOLOGY BY KVM-TEC
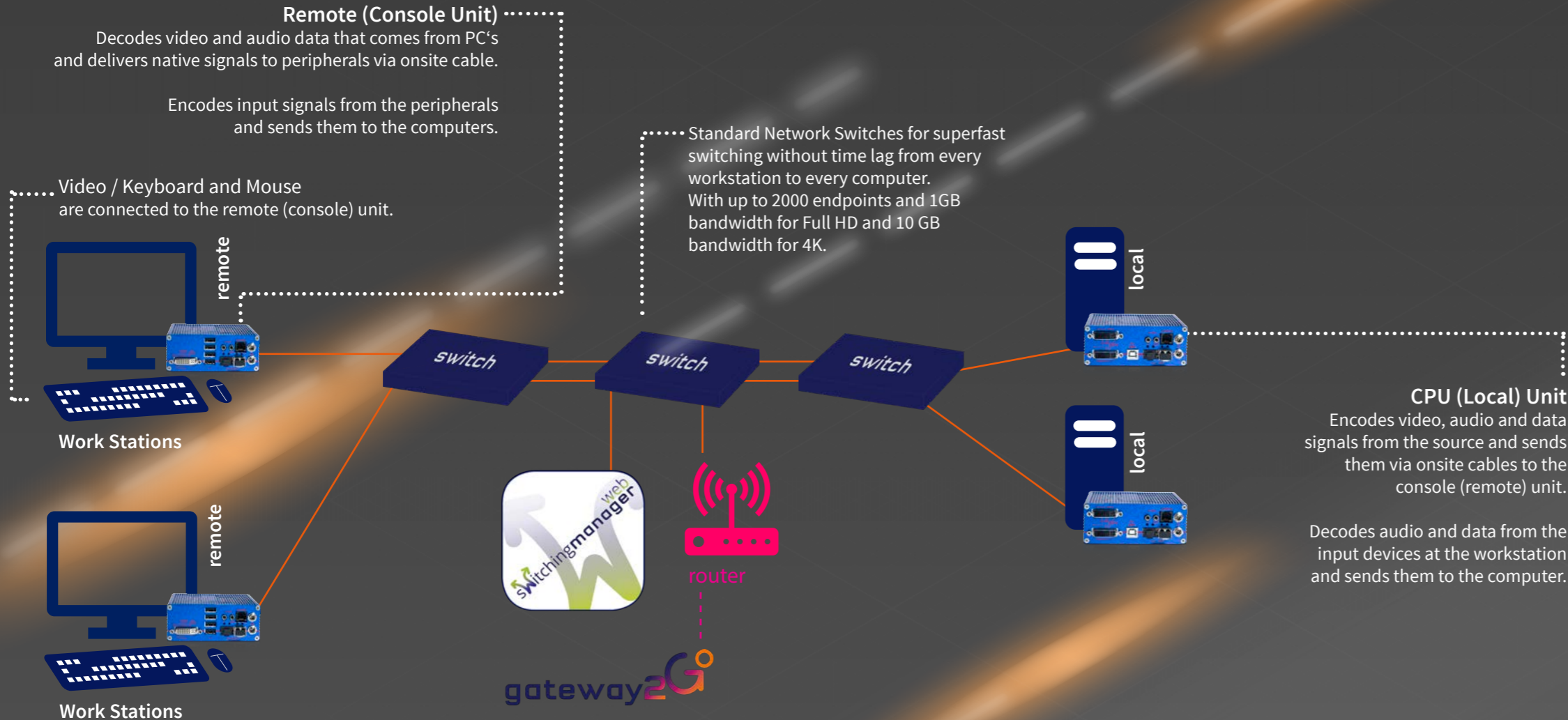
KVM-over-IP enables the connection to existing
KVM systems and remote workplaces.

Remote (Console Unit)
Decodes video and audio data that comes from PC's
and delivers native signals to peripherals via onsite cable.

Encodes input signals from the peripherals
and sends them to the computers.

Video / Keyboard and Mouse
are connected to the remote (console) unit.

remote

Work Stations

remote

Work Stations

switch

switch

switch

Standard Network Switches for superfast
switching without time lag from every
workstation to every computer.
With up to 2000 endpoints and 1GB
bandwidth for Full HD and 10 GB
bandwidth for 4K.

local

local

switchingmanager web

router

gateway2G

CPU (Local) Unit
Encodes video, audio and data
signals from the source and sends
them via onsite cables to the
console (remote) unit.

Decodes audio and data from the
input devices at the workstation
and sends them to the computer.

WHY KVM OVER IP?

FLEXIBILITY

• Compatible with standard network switches

• Up to 2000 endpoints

• Flexible with Full HD and 4K in one system

• Redundant, uncompressed

• Latency time 0,47 ms

• In-house development
  Patent pending USB 2.0 implemenation

SECURITY

• Dedicated network

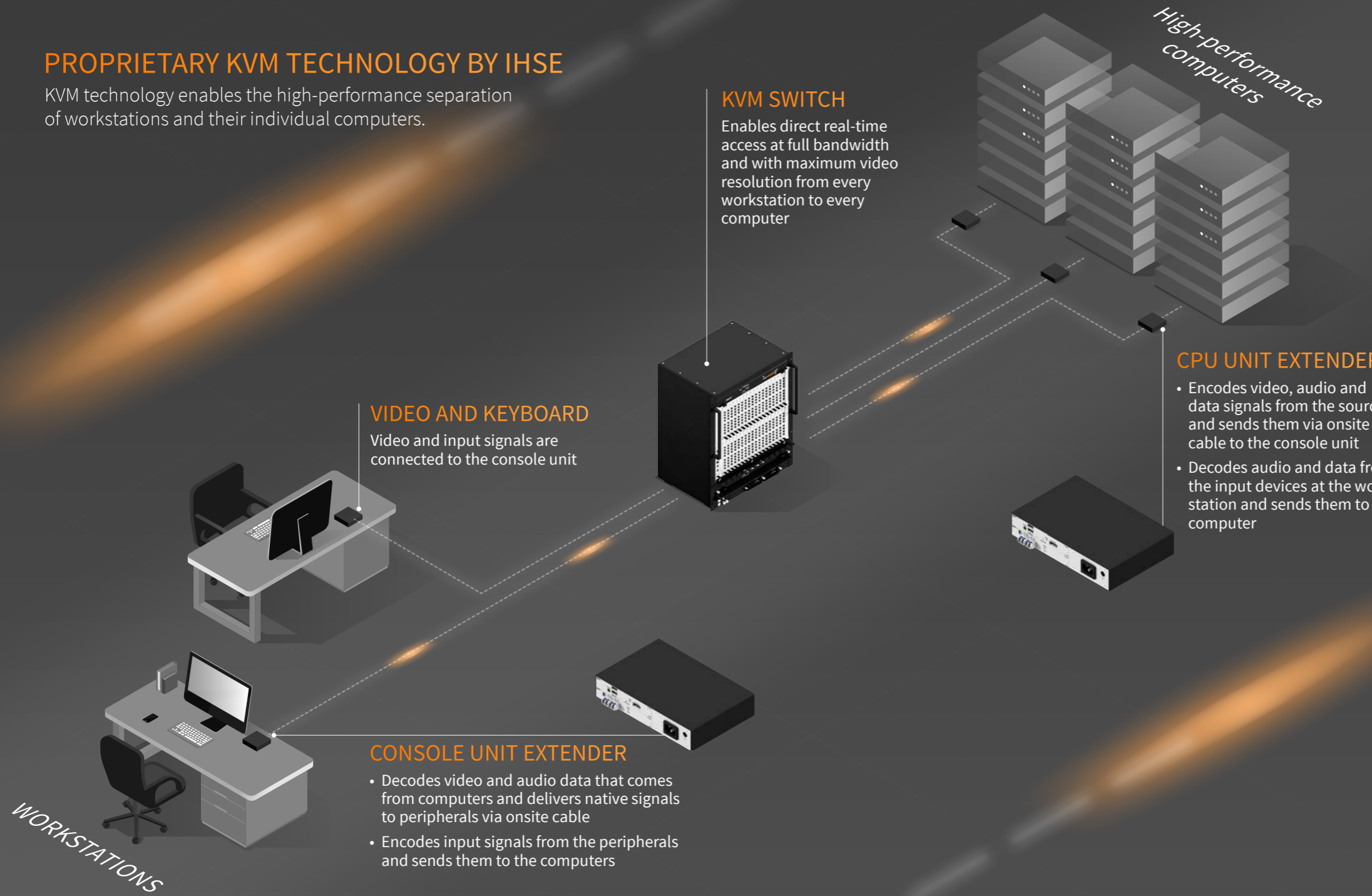## COST & ENERGY SAVINGS

• Excellent price-performance ratio

• Ergonomic workspace solutions

• Additional software features

• Low power consumption

PROPRIETARY KVM TECHNOLOGY BY IHSE

KVM technology enables the high-performance separation of workstations and their individual computers.

High-performance computers

KVM SWITCH

Enables direct real-time access at full bandwidth and with maximum video resolution from every workstation to every computer

VIDEO AND KEYBOARD

Video and input signals are connected to the console unit

CPU UNIT EXTENDER

- Encodes video, audio and data signals from the source and sends them via onsite cable to the console unit
- Decodes audio and data from the input devices at the work-station and sends them to the computer

WORKSTATIONS

CONSOLE UNIT EXTENDER

- Decodes video and audio data that comes from computers and delivers native signals to peripherals via onsite cable
- Encodes input signals from the peripherals and sends them to the computers

BENEFITS OF KVM

OPTIMIZATION

- Outsourcing of computers
- Direct access
- Latency-free extension of computer signals

COST & ENERGY SAVINGS

- Longer service life
- Jointly used resources
- Total cost of ownership
- Green KVM: low power consumption, ergonomic workspace solutions

CONNECTIVITY

- Signal distribution
- Signal interconnection
- Signal extension
- Signal conversion

REDUNDANCY

- Constant availability

(CYBER) SECURITY

- Access control
- Complete isolation

RELIABILITY

- Fail-safe
- Highly critical areas

ihse. ...

kvm-tec 3IP
an ihse. company