Draco tera IP Gateway   Series 480
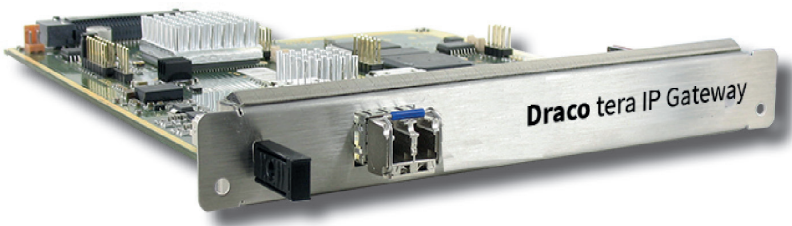
Homogeneous connection of proprietary KVM systems via IP protocol

- Homogeneous matrix interconnection via IP networks
- Supports up to 8 bidirectional KVM cross-connections up to 4K30 resolution*
- Backward compatibility to existing Matrix Grid technology
- Future-proof design for flexibility

PRODUCT INFORMATION

Application Setup

With the Draco tera IP Gateway large and deployed Draco tera applications can easily be tied together into one homogeneous system. The cross-connect links between the individual matrix switches – also known as grid lines – are set up using IP network technology. Up to eight bidirectional grid lines permit for bidirectional KVM operation with video resolutions of up to 4K30*.

The use of IP network infrastructure enables the sharing of physical high-speed data links and delivers increased flexibility in the layout of deployed systems.

KVM installations spread around larger premises or multiple sites do not require dedicated links between them. Suitable high-bandwidth, low latency IP connections possibly also provided by third parties are required to complete remote connectivity.

Future Roadmap

IP Gateway delivers two significant advantages: flexible, secure matrix interconnectivity and the ability for users to access remote devices over an existing gigabit network.

Security & Reliability

In addition to the high level of data security of data transmitted throughout IHSE's KVM switching and extension systems, Secure Core™ technology prevents direct access to the matrix from the IP network. This maintains the integrity of the KVM system and is consistent with the IHSE philosophy of secure separation of core matrix and IP networks as an effective countermeasure to potential cyber attacks.

TECHNICAL DATA

TECHNICAL DATA	
Interfaces	2x SFP+ Cage incl. 1x 10G SFP+
Protocol	IPv4
KVM Streams	Up to 8x 1G streams with max. resolution of 4K30*
Maximum link distance	10 km using 9/125 Singlemode fiber (Distance to the network switch according to the specification of the SFP+ module used in the scope of delivery)

ORDER NUMBERS

DRACO TERA IP GATEWAY	PART NO.
Draco tera enterprise IP Gateway	480-IPG
Draco tera flex IP Gateway	F480-G

* In combination with corresponding Draco vario extenders

Draco System Designer
configure your own system

IHSE offers an online tool for free configuration of your KVM projects. It enables documentation and verification of individual extenders up to complete matrix applications. All KVM switches and extenders are available for selection, including add-on modules, chassis variants and special accessories: dsd.ihse.com

FUNCTIONAL DIAGRAMS

Compatibility mode

Works with existing grid cards on layer 1 supporting up to 8 bi-directional KVM channels (1G) and up to 4K30 resolution* between matrices via a 10G fiber connection.
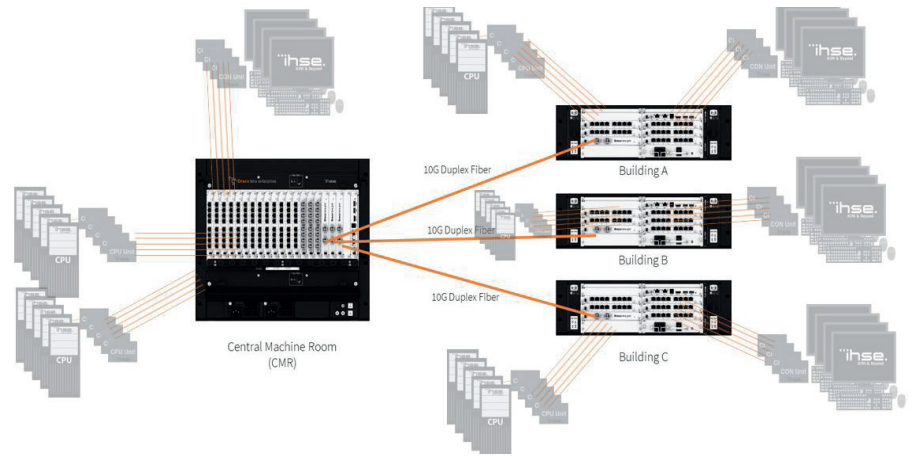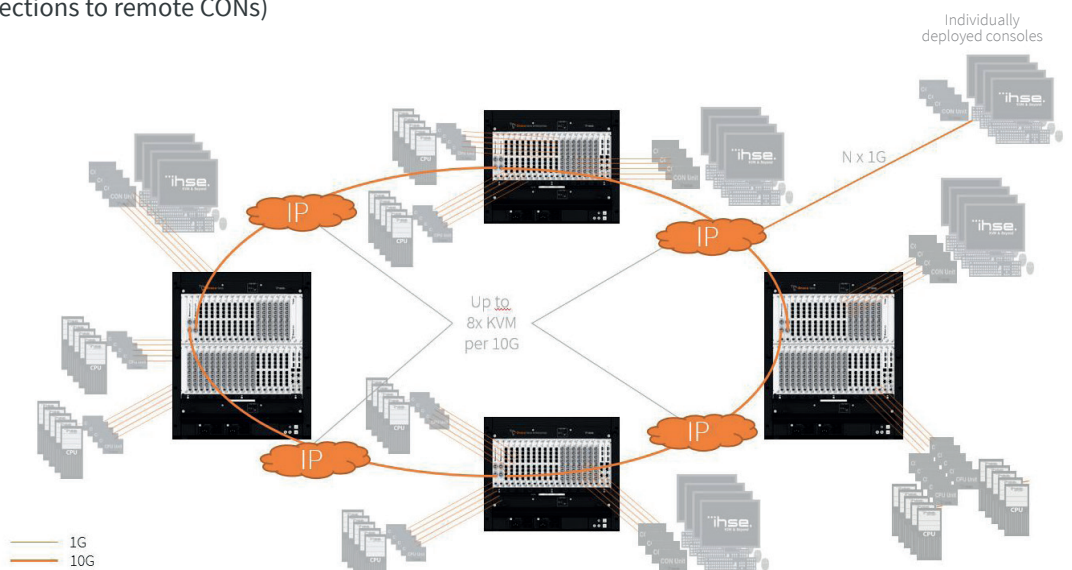

IP grid point-to-point mode

Works between two matrices using IP protocol supporting up to 8 bi-directional KVM channels (1G) and up to 4K30 resolution* via a 10G IP connection.

1G
10G
100G
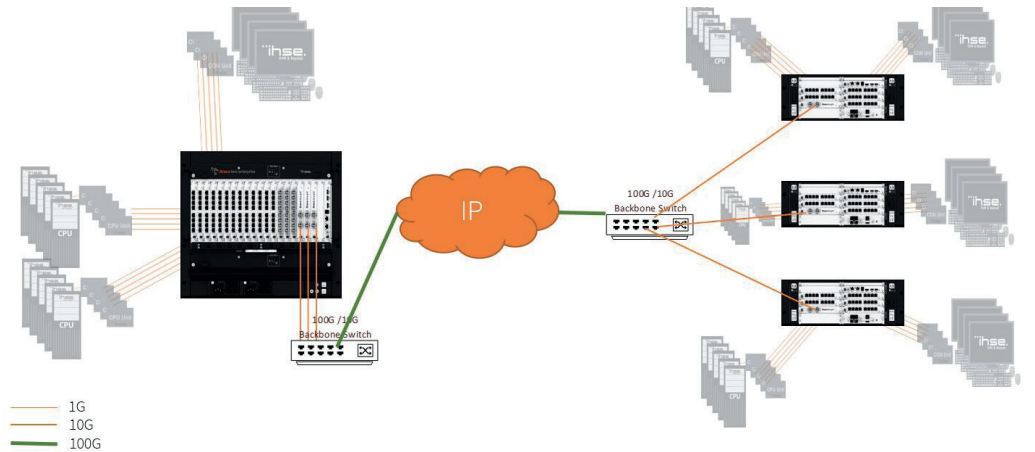
IP grid point-to-multipoint mode
(with partial individual connections to remote CONs)

The IP grid point-to-multipoint mode works between matrices using IP protocol supporting up to 8 bi-directional KVM channels (1G) at up to 4K30 resolution* via a 10G IP connection – a more dynamically routed grid line connectivity.

IP Gateway can also function with partial grid connectivity and partial individual connection to remote CONs. Max. 8 CONs may be connected via 1G IP protocol to the 10G IP Gateway interface.

1G
10G

* In combination with corresponding Draco vario extenders

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