# Draco SIRA CPU

The second generation of the IP CPU



- KVM access to virtual machines via RDP
- Sharing of RDP sessions via KVM
- Supports keyboard, video and mouse signals, audio and USB 2.0
- RDP, RFX, VNC, SSH, HTML5 etc.
- Seamless combination of KVM and VDI
- Up to 8 parallel sessions
- Secure kiosk mode for HTML5 access

## PRODUCT INFORMATION

### Concept

The Draco SIRA CPU combines the functionality of a Thin Client and a KVM extender (transmitter). This space-saving solution is fully compatible with the Draco vario extender, the Draco enterprise, Draco tera flex and compact matrix switch series.

### Function

The IP module provides seamless KVM connectivity to an IP infrastructure. It supports RDP, RemoteFX, SSH, VNC and HTML5 (kiosk mode) protocols. Other remote access protocols are available on request. A single IP CPU can host up to 8 simultaneous sessions.

### KVM meets VDI

Using diverse remote access protocols the SIRA CPU provides KVM access from the KVM system to virtual machines and web-based interfaces in the same manner as accessing real PCs.

### Security

The Draco tera KVM matrix system enables the parallel operations of several Draco SIRA CPUs - even with different network connections. It isolates the networks from each other like a firewall and thus allows secure access to „private cloud" and „public cloud" systems from one workstation.

### RDP and the benefits of KVM

The KVM infrastructure adds extensive flexibility to a RDP session. RDP sessions can now be shared amongst multiple users, delivering better collaboration and control room solutions.

### Immediate access

Immediate access to real PCs and virtual machines is achieved through permanent connection. Switching between the two types occurs instantaneously, with no disruption or inconvenience to the users.

### Single Sign On

For ease of operation, the system can be configured to support SSO. Single stage user identifi cation is all that is required, either locally or via AD. User credentials are stored for future connection setup.

## PRODUCT FEATURES

- Integration into IP infrastructure without compromising security
- Link redundancy for fail-safe operation in mission critical applications
- Homogeneous integration into traditional highperformance redundancy and compact design
- Compatible with all Draco vario chassis allowing power redundancy and compact design
- Improvement of usability and performances with IP infrastructure without compromising security
- Single-Head operation with resolutions of up to 4K30
- Dual-Head operation with resolutions of up to 1920x1200 @ 60 Hz
- Gigabit LAN
- USB embedded
- Digital audio embedded

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## TECHNICAL DATA

| | |
|---|---|
| Link interface | RJ-45 or Duplex LC (Single-Mode) |
| Input interface | RJ-45 (TCP/IP) |
| Service | Mini-USB |
| Supported protocols | RDP, RemoteFX, SSH, VNC (Client), VMware / Blast PCoIP, HTML5 |
| Maximum resolution | Single-Head operation: up to 4K30<br>Dual-Head operation: up to 1920x1200 @ 60 Hz |
| Keyboard / mouse | USB-HID |
| Audio | 2-channel PCM embedded |
| Additional interfaces | USB 2.0 embedded |
| Maximum transmission range for video and USB-HID signals (end-to-end connection) | Cat X: 140 m (459 ft)<br>Single-Mode 9µm: 10,000 m (32,808 ft)<br>Single-Mode 9µm XV: 5,000 m (16,404 ft)<br>Multi-Mode 50µm (OM3): 1,000 m (3,280 ft)<br>Multi-Mode 50µm: 400 m (1,312 ft) |
| Power supply | Power Supply via the used Draco vario chassis[*] |
| Current draw | Max. 3000 - 3500 mA per extender module (power input via the used Draco vario chassis)[*] |
| Dimensions | 129 x 40 x 145 mm |
| Weight | approx. 300 g |
| Chassis | Suitable Draco vario chassis and mounting accessories under the following link:<br>www.ihse.com/chassis-accessoires<br>Installation in ventilated chassis (chassis with backplane or additional fan 474-MODFAN) |
| Updates | Onboard Flash |

[*] For detailed information refer to the user manual.

**NOTICE:**

*Transmission ranges for transparent USB when using add-on modules*
*When using L474/R474 add-on modules with transparent USB, the binding specifications stated in the data sheets of the add-on modules apply.*

## FUNCTIONAL DIAGRAMS
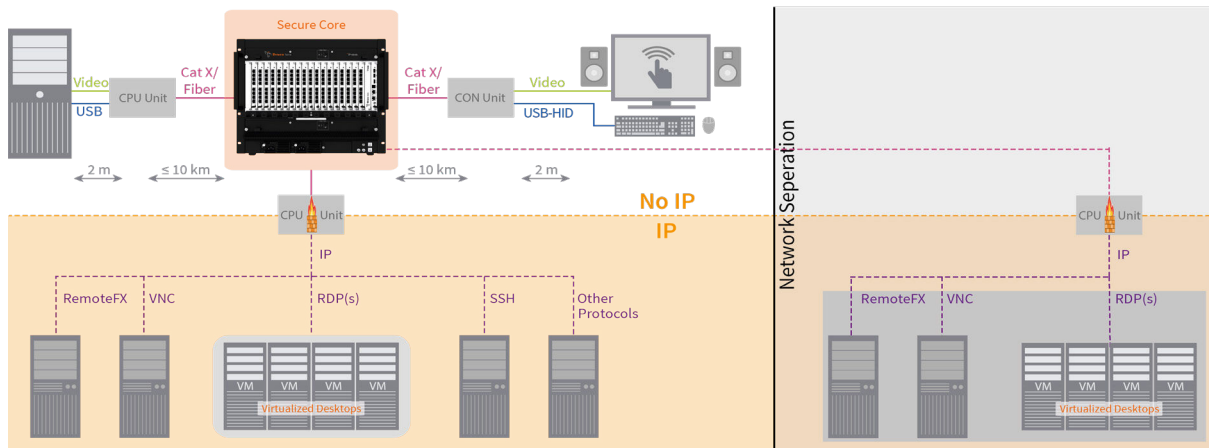


## ORDER NUMBERS

| DRACO VARIO SIRA CPU | PART NO. |
|---|---|
| Draco SIRA CPU module, Cat X 1G | L488-BIPC |
| Draco SIRA CPU module, Cat X 1G, red. | L488-BIPCR |
| Draco SIRA CPU module, Fiber 1G | L488-BIPS |
| Draco SIRA CPU module, Fiber 1G, red. | L488-BIPSR |

**Draco System Designer**
configure your own system

IHSE offers an online tool for free configuration of your KVM projects. It enables documentatio 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

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ds488-SIRA-CPU-Rev01.01

## COMPARISON OF DRACO SIRA CPU VS. DRACO VARIO REMOTE IP CPU

| DRACO SIRA CPU | | DRACO VARIO REMOTE IP CPU |
|---|---|---|
| L488-BIPC (Cat X)<br>L488-BIPS (Single-mode)<br>L488-BIPCR (Cat X, redundant)<br>L488-BIPSR (Single-mode, redundant) | | L488-BIPEC (Cat X)<br>L488-BIPES (Single-mode)<br>L488-BIPECR (Cat X, redundant)<br>L488-BIPESR (Single-mode, redundant) |
| USB 2.0 embedded | ↔ | USB 2.0 embedded |
| K/M support | ↔ | K/M support |
| **4K30** Single-Head or **1920x1200 @ 60 Hz Dual-Head** | ↔ | 1080p Single-Head |
| Audio support | ↔ | Audio support |
| HTML5, SSH, VMware / Blast, PCoIP, VNC, RDP, RFX, SIRA Client | ↔ | HTML5, SSH VMware /  Blast, PCoIP, VNC, RDP, RFX |
| 1Gbit/s NIC | ↔ | 100 Mbit/s NIC |
| Highest performance | | |

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