EL5100 KVM Extender
DVI and USB 2.0

icron

The EL5100 KVM Extender, powered by Extreme*Link*™ technology, lets you place a computer up to 330 ft (100 m) away from the workstation area, connected with a single inexpensive Cat 5 (or better) cable. The system supports full HD video and USB 2.0, including control of the keyboard, mouse, webcam, flash drive, speakers, microphone and other USB 1.1 and USB 2.0 devices.

Applications include security, medical, interactive digital signage and industrial environments where the computer must be remotely accessible.

Key Product Features

- **Remote Desktop:** Increases IT security while improving PC provisioning and maintenance.

- **Full HD Video:** Uncompressed 1920 x 1200 resolution, 24-bit color depth.

- **Long Distance:** 330ft (100m) over single solid core Cat 5 cable.

- **Audio:** Supports USB audio devices.

- **USB 2.0 Support:** USB 2.0 supporting all device types. Recommended with keyboard, mouse, flash drive, printer, microphone, USB 1.1 web camera and other USB devices which require moderate amounts of bandwidth.

- **OS Support:** Compatible with all major operating systems. No drivers required.

- **Installation Ease:** True plug and play (no set up required). Utilizes a single Cat 5 (or better) cable for desktop extension simplifying installation.

- **Rack Mountable:** Allows for up to two units to be mounted in a 19"/1U rack mount kit.

Local Extender

Up to 330 ft
(100m) over Cat 5

Remote Extender

scanmagnetics.com

EL5100 Specifications

VIDEO PERFORMANCE

Video:	1920 x 1200 at 24-bit color depth
Video Latency:	Less than 1ms
Reach:	330 ft (100m) at full resolution
Interconnection Cable:	RJ45 connector supporting solid core Cat 5 (or better) cable. Solid core Cat 6 is recommended for best results.

LOCAL EXTENDER

Video:	DVI-D Video Input (24-pin connector), HDMI (with adapter)
USB:	1 x USB Type B
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	5V DC, 3A DC (15W)

REMOTE EXTENDER

Video/Audio:	DVI-D Video Output (24-pin connector), HDMI (with adapter)
USB:	3 x USB Type A
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	5V DC, 3A DC (15W)

ENVIRONMENTAL

Operating Temperature:	32°F to 104°F (0°C to 40°C)
Storage Temperature:	-4°F to 158°F (-20°C to 70°C)
Operating Humidity:	+20% ~ 80% (non condensing)
Storage Humidity:	+10% ~ 90% (non condensing)

CERTIFICATIONS

EMC:	FCC Class A, CE, ICES-003
Compliance:	RoHS
HDCP:	Not supported. Support can be added in specific use cases.

Specifications subject to change without notification.
©2011
Icron Technologies Corp.

Ordering Information

PART NUMBER	NAME	DESCRIPTION
		EL5100 systems include a Local Extender, a Remote Extender, a USB cable, a DVI cable and two International power adapters with country specific power cord.
i308	EL5100-EU	DVI, USB 2.0 Cat 5 (100m) KVM Extender System, 100-240V Power Adapter, EU plug
i287	Rack Mount Adapter Kit	Four Brackets and Stencil (Screws not included).

scanmagnetics.com

EL4500 KVM Extender

Dual Mode — DVI, Audio, and USB 2.0

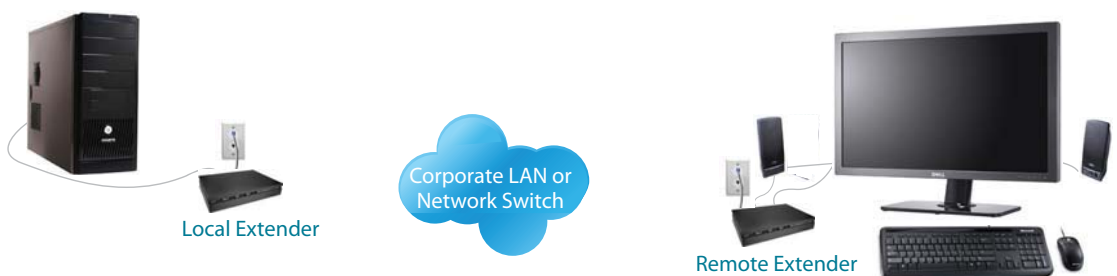The dual mode EL4500 KVM Extender, powered by Extreme*Link*™ Technology, allows the user to position a computer remotely from the work area over a single Cat 5 (or better) cable or connection over a Local Area Network (LAN) using Rapid Pairing Protocol™ for easy, plug and play installation.

Applications include security, medical, interactive digital signage and industrial environments where the computer must be remotely accessible.

Key Product Features

- **HD Video:** 1680 x 1050 resolution, 24-bit color depth. Resolution does not degrade with distance.

- **Direct Connect:** Directly connect the local extender to the remote extender using a single Cat 5 (or better) cable up to 330 ft (100m). This mode of operation is ideal for installations requiring USB 2.0 up to 480Mbps.

- **Rapid Pairing Protocol™:** Allows for connection on a LAN or through a network switch. The system can be utilized on virtually any Ethernet network since it operates at Layer 2 and uses MAC addresses. There is no additional overhead or setup since it doesn't use the TCP/IP layer and typical network usage can be as low as 50Mbps.

- **Audio:** Integrated two channel audio with microphone and headphone I/O.

- **OS Support:** Compatible with all major operating systems. No drivers required.

- **Installation Ease:** True plug and play (no set up required). Utilizes a single Cat 5 (or better) cable for desktop extension simplifying installation.

- **Rack Mountable:** Allows for up to two units to be mounted in a 19"/1U rack mount kit.

Local Extender

Corporate LAN or Network Switch

Remote Extender

scanmagnetics.com

EL4500 Specifications

VIDEO PERFORMANCE

Video:	1680 x 1050 resolution, 24-bit color depth
Video Latency:	Less than 60ms
Reach:	LAN - With Rapid Pairing Protocol™
	WAN (Wide Area Network) not supported
	330ft (100m) Direct Connect
Interconnection Cable:	Standard solid core Cat 5 (or better) cable

LOCAL EXTENDER

Video:	DVI-D Video Input (24-pin connector)
USB:	1 x USB Type B
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	5V, 3A DC (15W)

REMOTE EXTENDER

Video/Audio:	DVI-D Video Output (24-pin connector)
Audio:	3.5mm microphone in, 3.5mm headphone out
USB:	3 x USB Type A
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	24V, 1A DC (24W)

ENVIRONMENTAL

Operating Temperature:	32°F to 122°F (0°C to 50°C)
Storage Temperature:	-4°F to 158°F (-20°C to 70°C)
Operating Humidity:	+20% ~ 80% (non condensing)
Storage Humidity:	+10% ~ 90% (non condensing)

CERTIFICATIONS

EMC:	FCC, Class A, CE, ICES-003
Compliance:	RoHS

Specifications subject to change without notification.
©2011
Icron Technologies Corp.

Ordering Information

PART NUMBER	NAME	DESCRIPTION
		EL4500 systems include a Local Extender, a Remote Extender, a USB cable, a DVI cable and two International power adapters with country specific power cord.
i290	EL4500-EU	Dual Mode - DVI, USB 2.0 Extender System, 100-240V Power Adapter, EU plug
i287	Rack Mount Adapter Kit	Four Brackets and Stencil (Screws not included)

scanmagnetics.com

EL3500 KVM Extender
DVI, Audio, and USB 2.0

icron
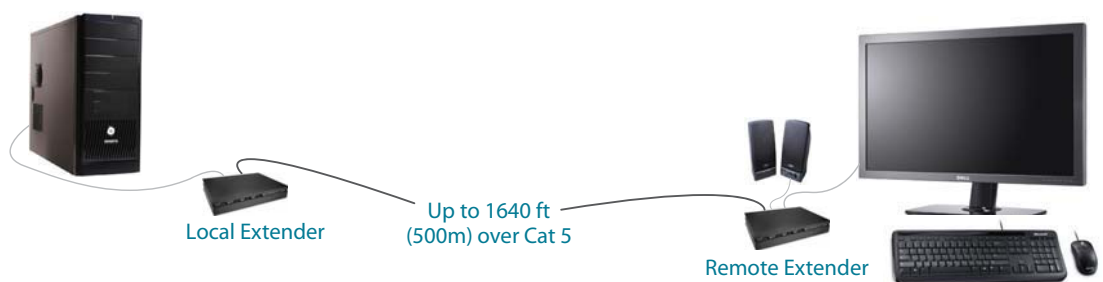
The EL3500 KVM Extender, powered by Extreme*Link*™ Technology, lets you place a computer up to 1640 ft (500m) away from the work area, connected with a single inexpensive Cat 5 (or better) cable. The system supports HD video and USB, including control of the keyboard, mouse, webcam, flash drive, speakers, microphone and other USB devices.

Applications include security, medical, interactive digital signage and industrial environments where the computer must be remotely accessible.

Key Product Features

- HD Video: 1680 x 1050 resolution, 24-bit color depth supported at 1640 ft (500m). Resolution does not degrade with distance.

- Long Distance: Supports Fiber Optic distances with Cat 5.

- Audio: Integrated two channel audio with microphone and headphone I/O.

- USB 2.0 Support: USB 2.0 supporting all device types.

- OS Support: Compatible with all major operating systems. No drivers required.

- Installation Ease: True plug and play (no set up required). Utilizes a single Cat 5 (or better) cable for desktop extension simplifying installation.

- Rack Mountable: Allows for up to two units to be mounted in a 19"/1U rack mount kit.

Up to 1640 ft (500m) over Cat 5

Local Extender

Remote Extender

scanmagnetics.com

EL3500 Specifications

Specifications subject to change without notification.
©2011
Icron Technologies Corp.

VIDEO PERFORMANCE

Video:	1680 x 1050 resolution, 24-bit color depth
Video Latency:	Less than 60ms
Reach:	1640ft (500m) at full resolution supporting high-speed USB
Interconnection Cable:	RJ45 connector supporting solid core Cat 5 (or better) cable

LOCAL EXTENDER

Video:	DVI-D Video Input (24-pin connector)
USB:	1 x USB Type B
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	5V, 3A DC (15W)

REMOTE EXTENDER

Video/Audio:	DVI-D Video Output (24-pin connector)
Audio:	3.5mm microphone in, 3.5mm headphone out
USB:	3 x USB Type A
Dimensions:	4.4" x 6.9" x 1.18" (112mm x 175mm x 30mm)
Power:	24V, 1A DC (24W)

ENVIRONMENTAL

Operating Temperature:	32°F to 122°F (0°C to 50°C)
Storage Temperature:	-4°F to 158°F (-20°C to 70°C)
Operating Humidity:	+20% ~ 80% (non condensing)
Storage Humidity:	+10% ~ 90% (non condensing)

CERTIFICATIONS

EMC:	FCC Class A, CE, ICES-003
Compliance:	RoHS

Ordering Information

PART NUMBER	NAME	DESCRIPTION
		EL3500 systems include a Local Extender, a Remote Extender, a USB cable, a DVI cable and two International power adapters with country specific power cord.
i270	EL3500-EU	DVI, USB 2.0 Cat 5 (500m) KVM Extender System, 100-240V Power Adapter, EU plug
i287	Rack Mount Adapter Kit	Four Brackets and Stencil (Screws not included)

scanmagnetics.com