



Xcion Digital Extender

- ▶ Lossless video to 1080p and 1920x1200@60Hz
- ▶ Transmits HDMI format video, or DVI using an HDMI/DVI adapter
- ▶ Supports USB-HID devices (keyboard, mouse, touchscreen and other USB-HID devices)
- ▶ USB 2.0 extension
- ▶ Uses only one CATx solid-core interconnect

Features and Benefits

- Extends Full HD digital HDMI video with no loss of quality
- DVI video can be supported through an HDMI/DVI adapter or cable
- Transparent USB 2.0 device support
- Transmitter and Receiver connected by a single CATx cable
- Distances up to 426 ft (130 m) can be achieved
- Input and output video resolutions to Full HD 1080p and 1920 x 1200 @ 60 Hz
- Base model supports digital video and USB 1.1 (keyboard, mouse and other HID devices) and transparently supports USB 2.0 devices at data rates up to 12Mbps
- Optional USB 2.0 high-speed support (up to 64Mbps) for devices which need higher data rates, such as mass storage devices, cameras, smartcard readers
- Local monitor output at the transmitter
- Firmware can be upgraded without need of a special cable
- DDC menu allows use of local or remote monitor EDID, or any of 5 fixed selections
- OSD menu functions at the receiver display allow option activation, firmware updates, monitor synchronization, and OSD locking
- 4 units can be mounted in a 1U 19" rack

Product Overview . . .

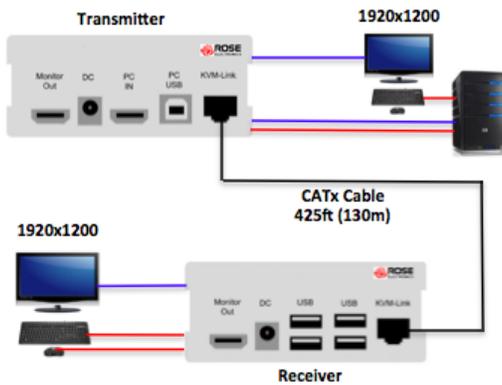
The Xcion Digital Extender from Rose Electronics is the ideal device for extending an HDMI video source with USB without loss of video quality. The system supports video signals ranging from 1024x768 up to full HD 1080p and 1920 x 1200 @ 60Hz.

The Xcion HDMI Extender uses CATx solid-core interconnect cables. Signals can be extended to distances of 426 ft (130m).

The Receiver unit supports up to 4 directly connected USB 1.1 or 2.0 devices at speeds up to 12Mbps (e.g. keyboards, mice, touch screens, tablets, scanners, or printers). The USB 2.0 memory option adds support for equipment such as mass storage devices, which need data rates up to 64Mbps. The option can be included in the original order, or activated later by purchasing an unlock code and entering it in the OSD menu.

The Xcion Digital Extender is packaged in a compact steel chassis, ideal for use in industrial applications and at installation sites requiring a robust and durable product. The TX/RX chassis can be rack mounted in a rack cabinet, with up to 4 units side-by-side on a 1U shelf, as well as wall, table or DIN rail mounted.

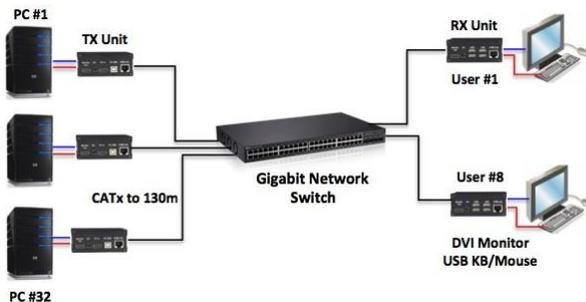
Applications



Overview The Xcion HDMI Extender is a robust and cost effective digital extension system, capable of being configured to suit most connectivity demands. Applications generally require digital video (1080p or 1920x1200) and USB-HID as standard. High-speed USB2.0 is available as an add-on option. Rack mounting options, a metal chassis and a DC power supply make this product particularly suitable for industrial extension environments.

Installation Easy installation and minimal setup allows the extension system to be available for use quickly. Connect the Transmitter to the host computer and a display monitor, if desired using HDMI cables and a USB A/B cable. The Receiver is connected to the output monitor with a HDMI cable and to a USB keyboard and mouse. Connection between the Transmitter and Receiver is made through a CATx cable. Apply power to the units. Further configuration can be made in the Extender OSD.

KVM Switching Option Multiple Xcion HDMI Extenders (Transmitter and Receiver units, CATx version) can be connected to a dedicated Ethernet network switch to create a distributed matrix switch. A single user can access multiple different computers through the switch, and multiple users can access a single PC/Server using a limited command structure.



Specifications

Part Numbers	Description
XCK-2DTXUH1H /1T	Xcion CATx Extender Kit with HDMI/USB Add USB 2.0 High Speed Option (64Mbps)
Physical Specification	
Dimensions (WxDxH)	3.88" x 4.17" x 1.6" / 98mm x 106 mm x 41 mm
Rackmount	Up to 4 channels in 19" 1U rack
Weight	1.19 lb / 540 g
Video	
Max Resolution	1080p, 1920 x 1200 @ 60Hz
Input Format	HDMI, DVI with adapter
Output Format	HDMI, DVI with adapter
EDID Support	Internal EDID; user updatable
Cables	
CATx	Solid-Core, CATx5e/6/7. EIA/TIA568-A, 24AWG or greater. Use shielding, or STP
Max Distance	426 ft (130 m)
Configuration	
	From OSD accessed from the Receiver
LEDs	
	1 x LED; Red = No Video, Green = Video Signal
Power	
	100-250VAC, 12VDC, 1A
Approvals	
	FCC Class A, UL, CE, RoHS 2
Environmental	
Operating Temp	32°F to 113°F (0°C to 45°C)
Storage Temp	-4°F to 158°F (-20°C to 70°C)
Humidity	0% to 80% relative, non-condensing



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