

OEM ExtremeUSB® Extender Solutions

Take advantage of an extensive array of USB and KVM extender solutions for your OEM applications ranging from boxed products for private label, Turnkey PCBAs, or embedded core daughterboards (SO-DIMM) for product design integration.

	USB	USB Extender Model	Max. Distance	Transmission Media	Power Adapter Location	USB Port(s)	Form Factor
	USB Extenders	3-2-1	Raven™ 3124	200m	Multimode Fiber	Local and Remote	4
3-2-1		Raven™ 3104	100m	CAT 6a/7	Local and Remote	4	Boxed or Turnkey
3-2-1		Raven™ Core 3100	200m	CAT 6a/7 or Fiber	N/A	4	Module
3.0		SP3022 ^①	100m ^②	Multimode Fiber	Remote	2	Boxed or Turnkey
3.0		SP3001-15 ^①	15m	Active Copper Cable	Bus Powered	1	Cable
2.0		RG2344	10km	Singlemode Fiber	Remote	4	Boxed or Turnkey
2.0		RG2324	500m	Multimode Fiber	Remote	4	Boxed or Turnkey
2.0		RG2312	100m	CAT 5e/6/7	Local or Remote	2	Boxed or Turnkey
2.0		RG2311	100m	CAT 5e/6/7	Local or Remote	1	Boxed or Turnkey
2.0		RG2304	100m	CAT 5e/6/7	Remote	4	Boxed or Turnkey
2.0		RG2304N/GE-LAN/S ^③	100m	CAT 5e/6/7 or LAN	Remote	4	Boxed or Turnkey
2.0		RG2310A Core	10km	CAT 5e/6/7, LAN or Multi/Singlemode Fiber	N/A	1 ^④	SO-DIMM
2.0		RG2300A Core	10km	CAT 5e/6/7 or Multi/Singlemode Fiber	N/A	1 ^④	SO-DIMM
2.0		RG2301	100m	CAT 5e/6/7	Remote	1	Boxed or Turnkey
2.0		RG2301N/GE-LAN/S ^③	100m	CAT 5e/6/7 or LAN	Remote	1	Boxed or Turnkey
1.1		RV2850	85m ^④	CAT 5e/6/7	Bus Powered	2	Boxed or Turnkey
1.1		RV1850	85m ^④	CAT 5e/6/7	Bus Powered	1	Boxed
Video + USB Extenders	USB Throughput	KVM Extender Model	Max. Distance	Transmission Media	Video Type and Max. Resolution		Form Factor
	5 Gbps	Maverick™ 63104 DP + USB 3-2-1	100m	CAT 6a/7	DisplayPort 1.2a DCI 4Kp60 4:4:4		Boxed or Turnkey
	40 Mbps	VU5353 DVI + USB 2.0	100m	CAT 5e/6/7	DVI Uncompressed 1920 x 1200		Boxed or Turnkey
	40 Mbps	VU5363 HDMI + USB 2.0	100m	CAT 5e/6/7	HDMI Uncompressed 4Kp30, 1080p, 1920 x 1200		Boxed or Turnkey

① USB 3.0 Spectra extenders are not backward compatible with USB 2.0 and 1.1 devices.

② The maximum distance is 50m with storage type USB 3.0 devices; 100m or more is achievable when using USB 3.0 bulk traffic cameras.

③ N model extends over LAN; GE-LAN model also supports SwitchableUSB™ protocol; S model additionally supports Simultaneous Users Interaction feature.

④ Up to 40m is achievable for all USB devices; 85m is achievable for most low powered HID USB devices.

Icron

Now Part of Maxim Integrated

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**EXTREME
USB**

Specifications subject to
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OEM ExtremeUSB® Extender Solutions

USB has become the de facto standard for computer peripheral connectivity, spanning broad markets and applications. However, the length of USB 2.0 cables is limited to five meters while USB 3.1/3.0 cables are effectively constrained to just three meters. Icron offers a wide variety of USB and USB + HD Video (KVM) extender solutions suitable for your OEM applications including DisplayPort DCI 4Kp60 4:4:4 video with USB 3-2-1.

All extender solutions incorporate the ExtremeUSB® suite of features such as transparent USB extension, true plug and play (no software drivers required), and compatibility with Windows®, macOS™ and Linux® operating systems. Plus there are several innovative advanced features offered only to OEM customers for product differentiation. Choose from unbranded boxed products for private label, Turnkey PCBAs for your custom enclosures, or embedded core module daughterboards for integration right into your product design.



Unbranded Boxed for Private Label



Turnkey PCBAs



Core Modules

Markets

Pro AV / Information Technology:

Remotely access and switch your USB enabled equipment from a secure location over copper, fiber or LAN.

Industrial Control/Automation:

Robust and reliable extension solutions suitable for industrial environments to remotely monitor and control USB enabled equipment.

Digital Signage/Interactive Kiosks:

Interact with displays which are located at significant distances from the host or server.

Security Web Camera/Access Control:

Capture video at distances up to 10km over fiber optics or 100m over CAT 5e/6/7.

Education:

Enables the use of remote projectors or interactive white boards within the classroom.

Military/Aerospace:

USB and video extension for mission critical applications.

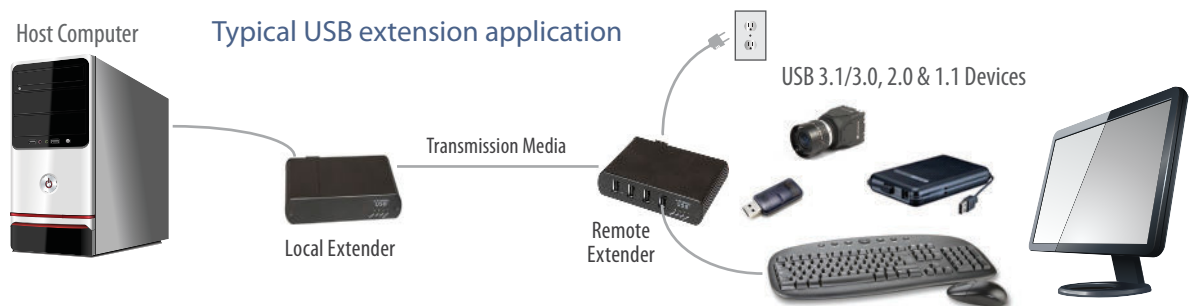
Medical Device Connectivity:

Allows for the computer to be located remotely from medical imaging or diagnostic equipment.

Machine Vision:

Extend AIA USB3 Vision™ cameras with a 15m active cable or up to 200m over fiber optics.

←EXTREME
USB®



For more information, please contact Icron Technologies at IcronSales@MaximIntegrated.com.

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