

# Extending USB over Cat 5, Wireless and Fiber Optics

Icron's ExtremeUSB® high-performance USB 2.0 extension technology enables users to connect ANY USB device over ANY transport media. ExtremeUSB® is used in most applications where USB devices are required to be more than five meters away from a host computer. The ExtremeUSB® protocol preserves standard USB functionality while accommodating the increased cable delay inherent in extended range transmissions. This technology is available in consumer ready extension products and various form factors for OEM and embedded applications.

## ExtremeUSB® enables remote USB solutions:

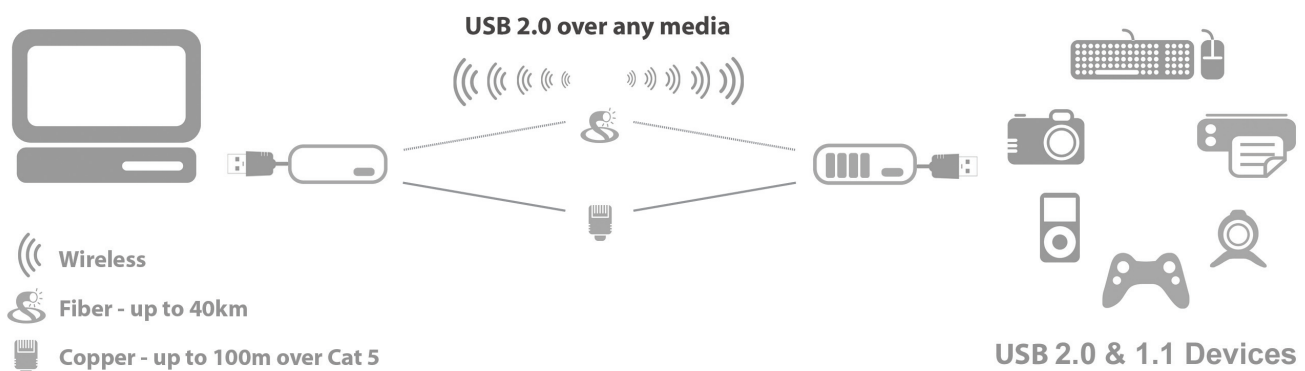
- wired USB Extension over Cat 5 and Fiber
- wireless USB over 802.11g/n

## Benefits:

- supports USB 1.1 and 2.0 devices
- extend USB over Cat 5 (100m), Fiber (up to 40km), and Wireless (30m+)
- true plug and play – no new drivers or software required
- supports all OS's (Windows, XP/Vista/Windows 7, Mac OS X, Linux)
- combine with Video for Remote Desktop applications
- wired support for Video + USB over Cat 5/Cat 6, Fiber, Powerline and Coax

## Applications:

- industrial automation
- medical imaging and diagnostics
- remote desktop KVM (Keyboard, Video, Mouse) extension
- thin client computing
- digital home connectivity
- interactive digital signage and kiosks
- remote desktop
- security and surveillance
- enterprise computing
- isolated USB
- point-of-sale (POS)



## ExtremeUSB® Solutions



### USB Ranger® & USB Rover® Systems

Complete Cat 5 and fiber optic extension solutions built using Icron's ExtremeUSB® and ExtendUSB™ technologies. Ranger and Rover products are ready for sale to end users and can be either distributed under the Icron brand name or re-branded to suit your requirements.



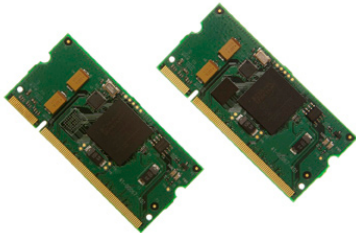
### Wireless USB Solutions

Inherently robust, Icron's protocol is the perfect wireless solution. Addressing delay and latency issues, ExtremeUSB® is equally effective in both the wired and unwired space. Icron's WiRanger® provides a Wireless USB hub solution over standard 802.11g radios.

### OEM Solutions

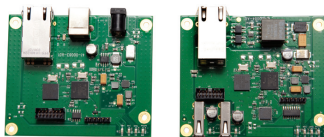
#### ExtremeUSB® Core

ExtremeUSB® Core modules can be integrated onto your main board providing mechanical flexibility to conveniently locate connectors and ports. The Core modules allow implementation of USB extension over a variety of transmission media and provide electrical immunity and isolation when ExtremeUSB® is transmitted over fiber optics.



#### Turnkey

Turnkey PCA solution over Cat 5 and fiber optics allows for quick repackaging in your own housing.



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