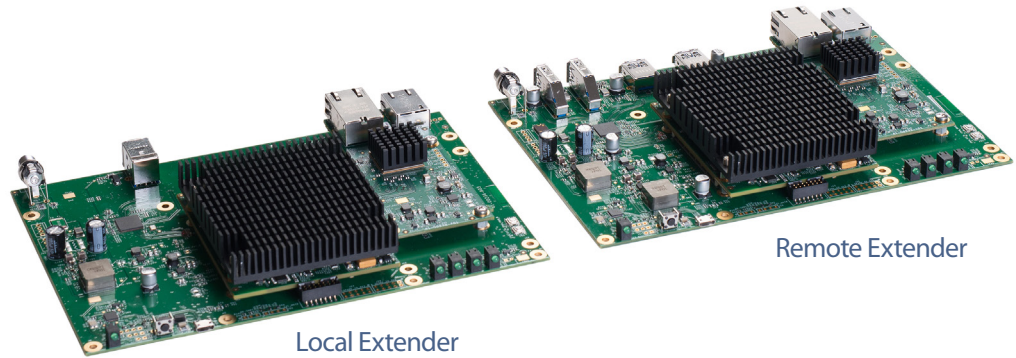


# USB 3-2-1 Raven™ 3104 Turnkey

## 4-Port USB 3.1 100m CAT 6a/7 Extender PCBA

The USB 3-2-1 Raven 3104 provides the ability to connect all USB 3.1 Gen 1 (5 Gbps) device types and is backwards compatible to USB 2.0 and 1.1 across a point-to-point connection up to 100m over CAT 6a/7 cable. The Raven 3104 also includes an Ethernet pass-through for connecting to network enabled devices or to use existing infrastructure without losing LAN connectivity.



### Summary of Features

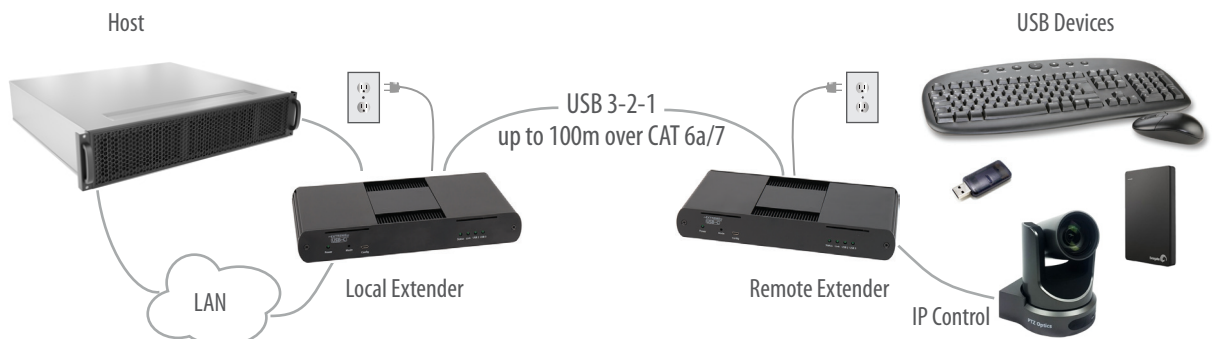
- USB 3.1 Gen 1 data rate up to 5 Gbps
- Supports all USB 3.1, 2.0, 1.1 devices simultaneously at full bandwidth
- Four available 3.1 Gen 1 ports
- 100/1000 Mbps Ethernet channel; LAN pass-through
- Single cable, CAT 6a/7 up to 100m
- Point-to-point connection

Includes the ExtremeUSB-C™ suite of features:

- Transparent USB extension supporting USB 3, 2 and 1
- True plug and play; no software drivers required
- Works with all major operating systems: Windows®, macOS™, Linux® and Chrome OS™

### Applications

- Remote Storage
- Security and Monitoring
- Video Matrix Systems
- Conferencing Cameras



Above diagram shows an application with Local and Remote PCBA inside Icron enclosures.

# USB 3-2-1 Raven 3104 Turnkey Specifications

LOCAL EXTENDER MECHANICAL DATA	REMOTE EXTENDER MECHANICAL DATA
133.0mm x 197.0mm x 28.4mm (5.2" x 7.8" x 1.1")	133.0mm x 197.0mm x 28.4mm (5.2" x 7.8" x 1.1")
1x USB 3.1 B Receptacle	4x USB 3.1 A Receptacles
1x RJ45 Ethernet 100/1000 Mbps Port	1x RJ45 Ethernet 100/1000 Mbps Port
1x RJ45 Link Port	1x RJ45 Link Port
24V 1A DC Locking Jack	24V 2.71A DC Locking Jack
370g (0.82 lbs.)	390g (0.86 lbs.)

RANGE	
Point-to-Point:	Up to 100m over CAT 6a/7 Cable

USB SUPPORT	
USB Speeds:	SuperSpeed 5 Gbps, High-Speed, Full-Speed, Low-Speed
USB Bandwidth:	Up to 5 Gbps
Device Compatibility:	All Device Types and Hubs
Host Compatibility:	OHCI, UHCI, EHCI, xHCI
Available Current at Remote:	1.2A (6W) per USB port
Max Number of USB Devices:	30

ENVIRONMENTAL	
Temperature:	0°C – 50°C (32°F – 122°F) Operating, -20°C – 70°C (-4°F – 158°F) Storage
Humidity:	20-80% Operating, 10-90% Storage Relative Humidity Non-Condensing

SUPPORT	
Warranty:	2 years

## Ordering Information

The USB 3-2-1 Raven 3104 Turnkey is sold as either a Local Extender PCBA or Remote Extender PCBA and includes a 2-year warranty. USB 3.1 Gen 1 cable and power adapters are available for purchase as accessories. For more information, email [sales@icron.com](mailto:sales@icron.com) or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
02-00141	USB 3-2-1 Raven 3104 Turnkey Local Extender	1-Port USB 3-2-1 100m CAT 6a/7 Local Extender PCBA
02-00142	USB 3-2-1 Raven 3104 Turnkey Remote Extender	4-Port USB 3-2-1 100m CAT 6a/7 Remote Extender PCBA
21-00114	24V 1A Power Adapter	Level VI, INTNL., 2.0mm (Locking Plug), IEC320-C7/C8 2 Pin
21-00135	24V 2.71A Power Adapter	Level VI, INTNL., 2.0mm (Locking Plug), IEC320-C7/C8 2 Pin
21-00136	USB 3.1 Gen 1 A/B Cable	1.8m Blue USB 3.1 Gen 1 Cable