Product Datasheet - Technical Specifications

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Icron USB 3-2-1 Raven™ 3104 Pro
4-Port USB 3.2, 100m CAT 6a/7 Point-to-Point Extender System

USB 3-2-1 Extender over Category Cable Optimized for Camera and Video Capture Devices

The Icron USB 3-2-1 Raven 3104 Pro provides the ability to connect all USB 3.2 Gen 1 (5Gbps) 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. The Raven 3104 Pro also includes an Ethernet pass-through for connecting to network enabled devices or to use existing infrastructure without losing LAN connectivity.
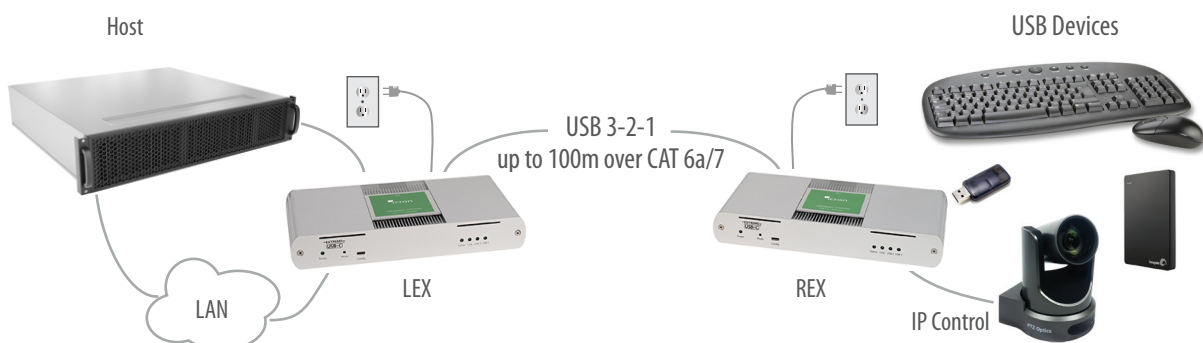

LEX

REX

Summary of Features

- USB 3.2 Gen 1 data rate up to 5Gbps
- Supports all USB 3.2 Gen 1, 2.0, 1.1 devices simultaneously at full bandwidth
- Four available 3.2 Gen 1 ports
- 100/1000 Ethernet channel; LAN pass-through
- Single cable, CAT 6a/7 up to 100m
- Point-to-point connection
- Supports all USB transfer types (Control, Interrupt, Isochronous and Bulk)
- Optimized for camera and video capture devices
- FCC and CE (Class B) compliant

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
- Video Matrix Systems
- Security and Monitoring
- Conferencing Cameras

Host

USB Devices

USB 3-2-1
up to 100m over CAT 6a/7

LAN

LEX

REX

IP Control

An Analog Devices Brand

EXTREME
USB-C™

Icron USB 3-2-1 Raven 3104 Pro Specifications

LEX (LOCAL EXTENDER) MECHANICAL DATA	REX (REMOTE EXTENDER) MECHANICAL DATA
137.3 x 232.1 x 33.0mm (5.4" x 9.1" x 1.3")	137.3 x 232.1 x 33.0mm (5.4" x 9.1" x 1.3")
1x USB 3 Type B Receptacle	4x USB 3 Type A Receptacles
1x RJ45 Ethernet 100/1000 Port	1x RJ45 Ethernet 100/1000 Port
1x RJ45 Ethernet Link Port	1x RJ45 Ethernet Link Port
24V 1A DC Locking Jack	24V 2.71A DC Locking Jack
Silver Anodized Aluminum	Silver Anodized Aluminum
920g (2.03 lbs.)	990g (2.18 lbs.)

PACKAGE CONTENTS
1x LEX (Local Extender)
1x REX (Remote Extender)
1x USB 3.2 Gen 1 Cable
2x International Locking AC Adapters
2x Country Specific Power Cords
1x Quick Start Guide
Packaged weight: 2.91kg (6.42 lbs.)

EXTREME USB-C™

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

USB SUPPORT	
USB Speeds:	SuperSpeed 5 Gbps, High-Speed, Full-Speed, Low-Speed
USB Bandwidth:	Up to 5Gbps
Device Compatibility:	All Device Types and Classes (Control, Interrupt, Isochronous and Bulk)
Host Compatibility:	OHCI, UHCI, EHCI, xHCI
Available Current at REX:	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

COMPLIANCE	
Certifications:	FCC (Class B), CE (Class B), RoHS2/3 (CE), ICES-003 Issue 7, EN 62368-1

SUPPORT	
Warranty:	2 years

Ordering Information

The Icron USB 3-2-1 Raven™ 3104 Pro system includes a LEX, REX, USB 3.2 Gen 1 cable, two international power adapters with country specific power cords, Quick Start Guide and two-year warranty.

PART #	NAME	DESCRIPTION
00-00451	Icron USB 3-2-1 Raven 3104 Pro - NA	Icron 4-Port Pro USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - NA
00-00452	Icron USB 3-2-1 Raven 3104 Pro - EU	Icron 4-Port Pro USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - EU
00-00453	Icron USB 3-2-1 Raven 3104 Pro - UK	Icron 4-Port Pro USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - UK
00-00454	Icron USB 3-2-1 Raven 3104 Pro - AU	Icron 4-Port Pro USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - AU
00-00455	Icron USB 3-2-1 Raven 3104 Pro - JP	Icron 4-Port Pro USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - JP
10-00620	Raven Silver Mounting Kit	Raven/Maverick Silver Mounting Kit, Set of 2 Mounting Brackets, Bolts included