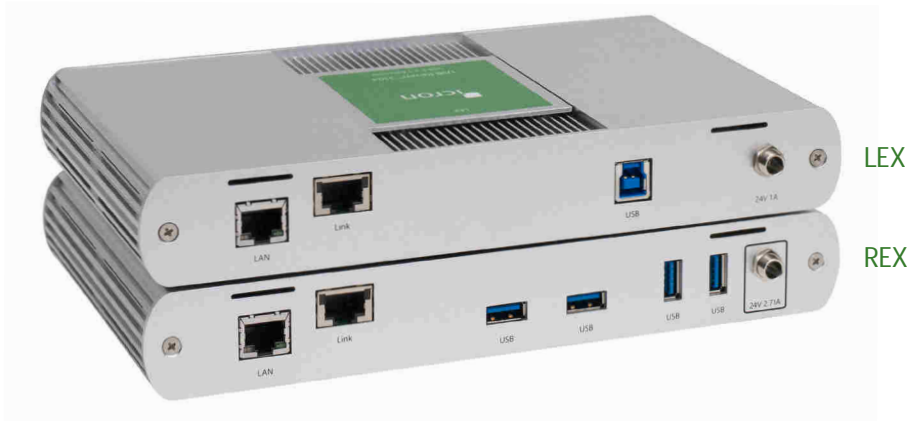# Icron USB 3-2-1 Raven™ 3104

4-Port USB 3.1, 100m CAT 6a/7 Point-to-Point Extender System

Industry's First USB 3-2-1 Extender Over Category Cable

The Icron USB 3-2-1 Raven 3104 provides the ability to connect all USB 3.1 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 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 3.1 Gen 1 data rate up to 5Gbps
- Supports all USB 3.1, 2.0, 1.1 devices simultaneously at full bandwidth; although if Isochronous support is required, use Raven 3104 Pro
- Four available 3.1 Gen 1 ports
- 100/1000 Ethernet channel; LAN pass-through
- Single cable, CAT 6a/7 up to 100m
- Point-to-point connection
- 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

LEX (LOCAL EXTENDER) MECHANICAL DATA	REX (REMOTE EXTENDER) MECHANICAL DATA
137.3mm x 232.1mm x 33.0mm (5.4" x 9.1" x 1.3")	137.3mm x 232.1mm x 33.0mm (5.4" x 9.1" x 1.3")
1x USB 3.1 B Receptacle	4x USB 3.1 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
920g (2.03 lbs.)	990g (2.18 lbs.)

PACKAGE CONTENTS

- 1x LEX (Local Extender)
- 1x REX (Remote Extender)
- 1x USB 3.1 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, 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

SUPPORT

Warranty:	2 years

Ordering Information

The Icron USB 3-2-1 Raven™ 3104 system includes a LEX, REX, USB 3.1 Gen 1 cable, two international power adapters with country specific power cords, Quick Start Guide and two-year warranty. To order or for more information, email IcronSales@MaximIntegrated.com or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00421	Icron USB 3-2-1 Raven 3104 - NA	4-Port USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - NA
00-00422	Icron USB 3-2-1 Raven 3104 - EU	4-Port USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - EU
00-00423	Icron USB 3-2-1 Raven 3104 - UK	4-Port USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - UK
00-00424	Icron USB 3-2-1 Raven 3104 - AU	4-Port USB 3-2-1 100m CAT 6a/7 PTP Extender System, Silver, 100-240V Power Adapters - AU
00-00425	Icron USB 3-2-1 Raven 3104 - JP	4-Port 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