Datasheet

ADI Icron™
AN ANALOG DEVICES BRAND

USB 3-2-1 Raven™ 3204C

4-Port USB 3 (5Gbps), 100m CAT 6a/7 USB-C Extender System

Icron's next generation USB 3-2-1 extender, the Raven 3204C extends USB 3 (5Gbps), USB 2.0 and USB 1.1 devices up to 100m (330 ft) from a host computer across a point-to-point CAT 6a/7 connection. The Raven 3204C delivers the same exceptional performance as the Raven 3104, in a smaller, lighter design, with USB-C ports available for the host and extended devices.

Extend USB cameras, sound bars, touchscreens, hubs, DACs and other USB-C or USB-A peripherals past the maximum length of a standard USB 3 cable (3m/9.8ft) to a PC or laptop across the conference room or to an IT closet with standard CAT 6a/7 cabling. Use the LAN pass-through port to deliver IP control to any connected USB devices.

Local Extender
Remote Extender

Available for private label. Inquire at icron.com/contact.

Features

- Supports all USB 3, 2, and 1.1 devices simultaneously up to 5Gbps (shared)
  - If USB 3 Isochronous support is needed, Raven 3204C Pro is recommended
- Power the Local Extender using the USB-C connection to the host*
- The Remote Extender includes 2 USB-C ports and 2 USB-A ports
  - Delivers 3A at each USB-C port and 1.2A at each USB-A port
- 1Gb Ethernet pass-through eliminates extra cable runs for simplified installations
- Compatible with all major UC conferencing applications

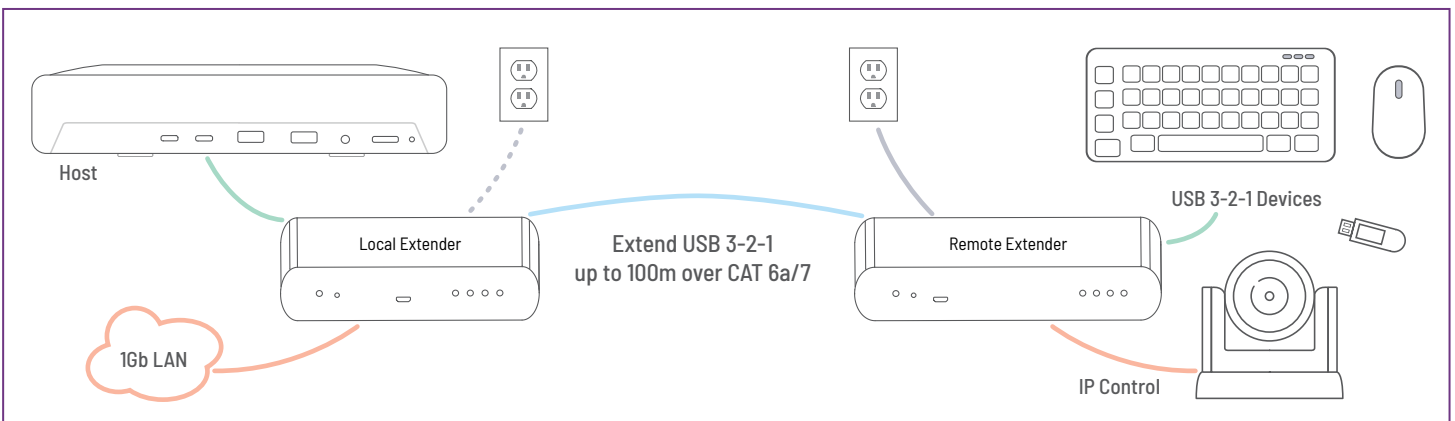Includes the ExtremeUSB-C™ suite of features:

- 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 ChromeOS™

Applications

- Conference rooms
- Security and monitoring
- Video matrix systems
- Remote storage

■ USB-C Data (5Gbps)
■ 1GbE Pass-through
■ Power
■ CATx up to 100m

Host

Local Extender

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

Remote Extender

USB 3-2-1 Devices

1Gb LAN

IP Control

If the host computer can deliver 15W to the Local Extender, the Local Extender power supply is not required.

Visit **icron.com**

EXTREME USB=C™

USB 3-2-1 Raven™ 3204C Specifications

	SPECIFICATIONS	LOCAL EXTENDER	REMOTE EXTENDER
MECHANICAL DATA	USB Connector	1x USB-C Receptacle	2x USB-C Receptacles; 2x USB-A Receptacles
	LAN Pass-Through	1x RJ45 Ethernet 100/1000 Port	
	Link Connector	1x RJ45 Ethernet Link Port	
	Power Input	24V 1A DC Locking Jack	24V 2.71A DC Locking Jack
	Dimensions (W x D x H*)	165mm x 100mm x 35mm / 6.50" x 4.00" x 1.38"	197mm x 100mm x 35mm / 7.75" x 4.00" x 1.38"
	Weight	572g / 1.26lbs.	697g / 1.54bs.
	Enclosure Material	Black Anodized Aluminum	

* Note: Add 2mm to height for non-slip rubber feet on bottom enclosure.

RANGE	Point-to-Point	Up to 100m (330 ft) over CAT 6a/7
USB SUPPORT	USB Bandwidth	Up to 5Gbps (Does not support DP Alt Mode)
	Device Compatibility	All Device Types and Classes (Control, Interrupt, Bulk, and Isochronous**)
	Host Compatibility	OHCI, UHCI, EHCI, xHCI
	Available Current at Remote Unit	Supplies 3A (15W) per USB-C port and 1.2A (6W) per USB-A port
	Maximum Devices	Supports up to 30
ENVIRONMENTAL	Temperature	0°C to 40°C (32°F to 104°F) Operating / -20°C to 70°C (-4°F to 158°F) Storage
	Relative Humidity	20% to 80% Operating / 10% to 90% Storage (Non-condensing)
COMPLIANCE	Certifications	FCC (Class B), CE (Class B), RoHS2/3 (CE), ICES-003 Issue 7, IEC 62368-1
SUPPORT	Warranty	2-year

** Note: USB 2.0 Isochronous support.

	PACKAGE CONTENTS	PACKAGED WEIGHT
EXTENDER SYSTEM	1x Local Extender	
	1x Remote Extender	
	1x USB-C Cable	
	2x International Locking AC Adapters	2.5kg / 5.5lbs.
	2x Country Specific Power Cords	
	1x Quick Start Guide	

Local Extender

Remote Extender

Ordering Information

EXTREME USB-C™

Raven 3204C is available for private label and is sold separately or as a system. The complete system includes a Local Extender, Remote Extender, USB-C cable, two international power adapters with country specific power cords, Quick Start Guide and two-year warranty. For private labeling inquiries or for more information, contact us online at **icron.com/contact**, by email at **IcronSales@analog.com**, or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
01-00824	USB 3-2-1 Raven 3204C - NA	4-Port USB 3-2-1 100m CAT 6a/7 USB-C Extender System, Black, 100-240V Power Adapters - NA
01-00825	USB 3-2-1 Raven 3204C - EU	4-Port USB 3-2-1 100m CAT 6a/7 USB-C Extender System, Black, 100-240V Power Adapters - EU
01-00826	USB 3-2-1 Raven 3204C - UK	4-Port USB 3-2-1 100m CAT 6a/7 USB-C Extender System, Black, 100-240V Power Adapters - UK
01-00827	USB 3-2-1 Raven 3204C - AU	4-Port USB 3-2-1 100m CAT 6a/7 USB-C Extender System, Black, 100-240V Power Adapters - AU
01-00828	USB 3-2-1 Raven 3204C - JP	4-Port USB 3-2-1 100m CAT 6a/7 USB-C Extender System, Black, 100-240V Power Adapters - JP
10-00621	Raven Black Mounting Kit	Raven Black Mounting Kit, Set of 2 Mounting Brackets, Bolts Included