

Product Datasheet - Technical Specifications



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Raven™ 3301-ECO

1-Port USB 3 5Gbps, 100m CAT 5e Extender System

The Icron Raven 3301-ECO is a low power and simple system for extending USB 3. Featuring a single USB-C port, support for CAT 5e or better cabling, and no built-in USB hubs, it's ideal for extending remote USB 3 devices such as conference cameras, touch controllers, all-in-one devices and more.

The Raven 3301-ECO supports all USB transaction types including ISO, all previous USB specifications like USB 2, and can extend up to 100m point-to-point with DC power applied at the remote end.



LEX



REX

Features

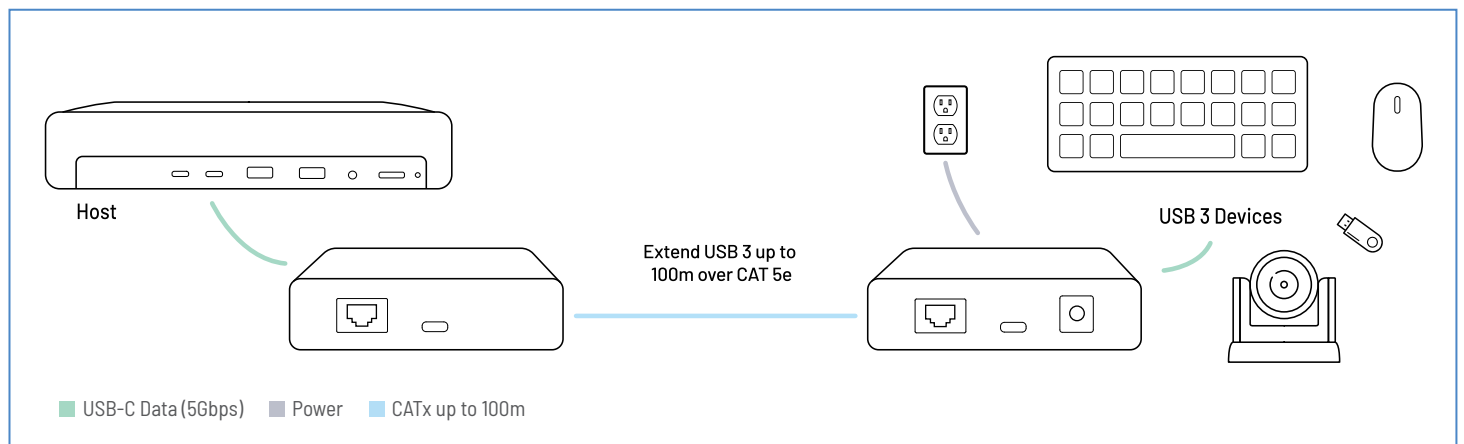
- Supports all USB 3, 2, and 1.1 devices simultaneously up to 5Gbps
- Extends USB 3 up to 100m over CAT 5e or better cabling
- Power the LEX (Local Extender) at the host
- The REX (remote extender) can power a single USB device up to 15W (5V 3A)
- Supports All USB Transaction types (Control, Bulk, Interrupt, ISO)
- No USB Hub tiers consumed (hubless)

ExtremeUSB® Suite of features:

- Transparent USB Extension
- 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



Specifications

Mechanical Data		
Specification	LEX (Local Extender)	REX (Remote Extender)
USB Connector	1x USB-C Receptacle	
Link Connector	1x RJ45 Ethernet Link	
Power Input	N/A	5V DC 4A Barrel Jack
Dimensions (WxDxH)	100mm x 76.0mm x 25.4mm (3.9"x3.0"x 1.0")	
Weight	210g (0.46lbs.)	
Enclosure Material	Black Anodized Aluminum	

Range	
Point-to-Point	100m CAT 5e UTP Cable or better

Compliance	
Certifications	FCC (Class A), CE, RCM, UKCA, IEC/UL/cUL, ICES-003 Issue 7

USB Support	
USB Bandwidth	5Gbps
USB Transactions	All (Control, Interrupt, Bulk, Isochronous)
Device Compatibility	All USB Device types and classes
Host Compatibility	OHCI, UHCI, EHCI, xHCI
Available Current at REX	Supplies 3A (5V, 15W)
Maximum Devices	Up to 31 (downstream)

Environmental	
Temperature Range	0°C to 40°C (32°F to 104°F) Operating -20°C to 70°C (-4°F to 158°F) Storage
Relative Humidity	20-80% Operating, 10-90% Storage, non-condensing

What's Included

- 1x Raven 3301-ECO LEX
 - 1x Raven 3301-ECO REX
 - 1x International Power Adapter
- 1x Region Specific Power Cord
 - 1x Compliance and Warranty Insert
 - 2-Year Warranty
- Package Weight: 907g (2.0lbs.)

NOTE: USB cables not included

Ordering Information

Part #	Name	Description
00-00481	Icron USB 3 Raven 3301-ECO -NA	1-Port USB 3 100m CAT 5e Extender System, Black, 100-240V Power Adapter - NA
00-00482	Icron USB 3 Raven 3301-ECO -EU	1-Port USB 3 100m CAT 5e Extender System, Black, 100-240V Power Adapter - EU
00-00483	Icron USB 3 Raven 3301-ECO -UK	1-Port USB 3 100m CAT 5e Extender System, Black, 100-240V Power Adapter - UK
00-00484	Icron USB 3 Raven 3301-ECO -AU	1-Port USB 3 100m CAT 5e Extender System, Black, 100-240V Power Adapter - AU
00-00485	Icron USB 3 Raven 3301-ECO -JP	1-Port USB 3 100m CAT 5e Extender System, Black, 100-240V Power Adapter - JP
10-00536	USB Mounting Kit - Black	USB Extender Mounting Kit (Black) Each kit includes: 2 brackets, 4 locking washers and 4 (M2.5x8mm) Phillips raised cheese head screws (Order: 1 kit per local or remote extender; 2 kits per system)