

Product Datasheet - Technical Specifications



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Arbutus™ 63301

1-Port USB-C 4K and USB 3 5Gbps, 100m CAT 6a Extender

The Icron Arbutus 63301 is an all-in-one video and USB extension system. Utilizing a single USB-C port, the 63301 can extend 4K video and USB 3 over a CAT 6a cable offering a true one cable extension solution.

Unique to this model is the ability to support DP Alt mode on a USB-C connection supporting up to 4Kp60 4:4:4 simultaneously with USB 3 5Gbps. Within USB all transaction types are supported with no hub tiers consumed. The Arbutus 63301 extends up to 100m point-to-point with DC Power applied at the remote end.



LEX



REX

Features

- DP Alt mode up to 4Kp60 4:4:4 at 2 lanes HBR3
- HDCP 2.2 support
- 1Gbps Ethernet pass-through
- 115200 baud RS232 pass-through
- Supports all USB 3, 2, and 1.1 devices simultaneously up to 5Gbps
- Extends USB 3 and 4K video up to 100m over CAT 6a or better cabling
- The REX (remote extender) can power a single USB-C device up to 15W (5V 3A)
- Supports all USB transaction types (Control, Bulk, Interrupt, ISO)
- No USB hub tiers consumed (hubless)

Applications



Conference Rooms



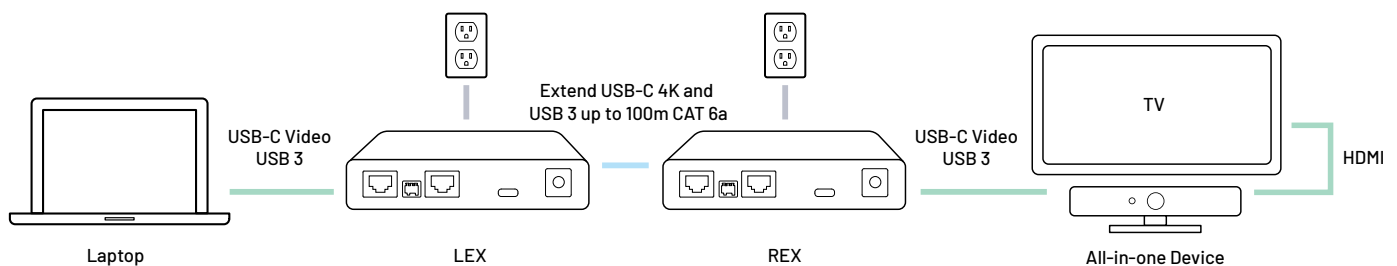
KVM



Video Matrix Systems

ExtremeUSB-C™ Suite of features:

- Transparent USB and Video Extension
- True plug and play, no software drivers required
- Works with all major operating systems: Windows®, macOS™, Linux® and ChromeOS™



■ USB-C Video and Data (5Gbps) ■ Power ■ CATx up to 100m

Specifications

Mechanical Data		
Specification	LEX (Local Extender)	REX (Remote Extender)
USB Connector	1x USB-C Receptacle	
Link Connector	1x RJ45 Ethernet Link	
Power Input	5V DC 3A Barrel Jack	5V DC 5A Barrel Jack
Ethernet Channel Connector	1x RJ45 Ethernet	
RS232 Connector	3-Pin Terminal Block	
Dimensions (WxDxH)	137mm x 100mm x 26mm (5.4"x3.9"x 1.0")	
Weight	300g (0.7lbs.)	
Enclosure Material	Black Anodized Aluminum	

Video Support	
Maximum Resolution	4196x2160
Color	RGB 8/10, YCbCr 4:4:4, 4:2:2
Lane Count/Rate	4, 2 or 1 Lane operation up to HBR3 8.1Gbps
Control	DisplayPort MCCS
EDID	EDID override supported
HDCP Version	2.2

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)

Range	
Point-to-Point	100m (330 ft) over CAT 6a UTP Cable or better

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

What's Included

- 1x Arbutus 63301 LEX or REX
 - 1x International Power Adapter
 - 1x Region Specific Power Cord
- 1x Compliance and Warranty Insert
 - 2-Year Warranty
- Package Weight: 803g (1.8lbs.)

NOTE: USB cables not included

Ordering Information

Note: A matching Arbutus LEX or REX must be purchased separately to complete the system.

Part #	Name	Description
00-00491	Icron USB-C Arbutus 63301 LEX - NA	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender LEX, Black, 100-240V Power Adapter - NA
00-00492	Icron USB-C Arbutus 63301 LEX - EU	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender LEX, Black, 100-240V Power Adapter - EU
00-00493	Icron USB-C Arbutus 63301 LEX - UK	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender LEX, Black, 100-240V Power Adapter - UK
00-00494	Icron USB-C Arbutus 63301 LEX - AU	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender LEX, Black, 100-240V Power Adapter - AU
00-00495	Icron USB-C Arbutus 63301 LEX - JP	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender LEX, Black, 100-240V Power Adapter - JP
00-00496	Icron USB-C Arbutus 63301 REX - NA	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender REX, Black, 100-240V Power Adapter - NA
00-00497	Icron USB-C Arbutus 63301 REX - EU	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender REX, Black, 100-240V Power Adapter - EU
00-00498	Icron USB-C Arbutus 63301 REX - UK	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender REX, Black, 100-240V Power Adapter - UK
00-00499	Icron USB-C Arbutus 63301 REX - AU	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender REX, Black, 100-240V Power Adapter - AU
00-00500	Icron USB-C Arbutus 63301 REX - JP	1-Port 100m CAT 6a USB-C 4K + USB 3 Extender REX, 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)