

# 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.



## 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
- Security and Monitoring
- Video Matrix Systems
- Conferencing Cameras



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Specifications subject to change  
without notification.

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#90-01599-A07

# Icron USB 3-2-1 Raven 3104 Specifications

| 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.)  |  |

| 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](mailto: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           |