

USB 2.0 RG2301N/2301GE-LAN Extender

1-port USB 2.0 Gigabit Ethernet LAN Extender System

Sold as unbranded or private label

The USB 2.0 RG2301N/2301GE-LAN is a single-port USB 2.0 high-speed extension solution, enabling USB 2.0 connections at up to 480 Mbps across a Gigabit Ethernet Local Area Network using existing cabling. It features full device and host support as well as Mass Storage Acceleration for improved USB 2.0 device bulk transfer speeds over previous generation extenders and the ExtremeUSB® suite of features.



Features

The RG2301N/2301GE-LAN extends all USB 2.0 peripherals such as flash drives, keyboards, mice, speakers, webcams and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers.

- USB 2.0 throughput up to 480 Mbps*
- Pre-paired networked configuration** for simple installation
- Supplies up to 1 Amp to USB port
- Mass Storage Acceleration

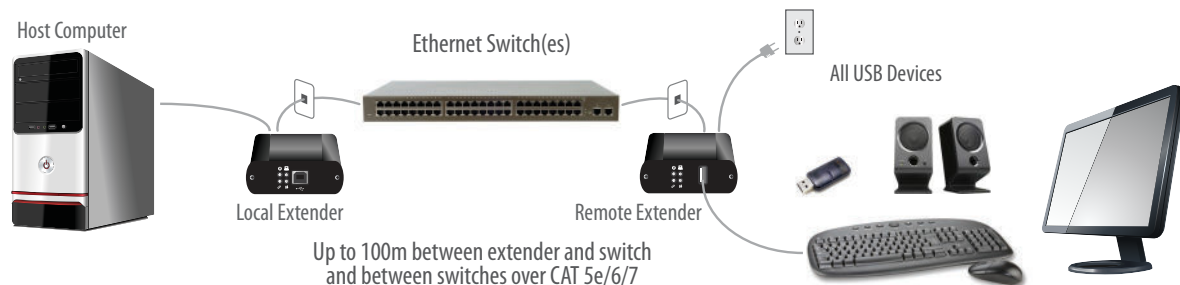
Includes the ExtremeUSB® suite of features:

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

Contact your account representative for OEM advanced features such as remote pairing control via Icron's SwitchableUSB™ protocols, Device Class Filtering, Hot Keys, Vendor Lock and Simultaneous User Interaction, available on the RG2301GE-LAN only.

Applications

- Remote storage
- Security and monitoring
- Professional Audio-Visual
- Keyboard and mouse



* Maximum throughput will vary based on network traffic, distances and number of switches between extenders.
** Pre-paired network configuration only applies to units purchased together as a complete Local and Remote Extender system.

USB 2.0 RG2301N/2301GE-LAN Specifications

RANGE

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|------------------|---|
| Direct Connect: | Up to 100m (330 ft) over solid core CAT 5e/6/7 |
| Network Connect: | Up to 100m (330 ft) between switches over solid core CAT 5e/6/7 |

USB DEVICE SUPPORT

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|----------------------|--|
| Maximum Throughputs: | USB 2.0: Up to 480 Mbps*; USB 1.1: Up to 12 Mbps |
| Traffic Types: | All USB 2.0 and 1.1 Traffic Types |
| Device Types: | All USB 2.0 and 1.1 Device Types |
| Maximum Number: | Up to 30 USB devices |

NETWORKING

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|------------------------------------|---|
| Standards: | 1000BASE-T* |
| Data Traffic: | Layer 2 |
| Control Traffic (2301GE-LAN only): | Layer 3, customizable as unicast or broadcast |

LOCAL EXTENDER

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|---------------------|---|
| USB Connector: | 1 x USB Type B Receptacle |
| Link Connector: | 1 x RJ45 |
| Dimensions: | 86.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0") |
| Enclosure Material: | Black Anodized Aluminum |

REMOTE EXTENDER

| | |
|---------------------|---|
| USB Connector: | 1 x USB Type A Receptacle |
| Link Connector: | 1 x RJ45 |
| Dimensions: | 86.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0") |
| Enclosure Material: | Black Anodized Aluminum |
| Available Current: | Up to 1 Amp to USB port |
| Power Supply: | 100-240V AC Input, 5V 3A DC Output |

ENVIRONMENTAL

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|------------------------|--|
| Operating Temperature: | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature: | -20°C to 70°C (-4°F to 158°F) |
| Operating Humidity: | 20% to 80% relative humidity, non-condensing |
| Storage Humidity: | 10% to 90% relative humidity, non-condensing |

COMPLIANCE

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|----------------------|---|
| EMC & Environmental: | FCC (Class B), CE (Class B), RoHS2 (CE) |
|----------------------|---|

SUPPORT

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|-----------|--------|
| Warranty: | 2-year |
|-----------|--------|

* Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.



Ordering Information

The USB 2.0 RG2301N/2301GE-LAN system includes a local extender, remote extender, USB cable, Quick Start Guide, international power adapter with country specific power cord and 2-year warranty. For more information, email sales@icron.com or call +1 604 638 3920.

| PART # | NAME | DESCRIPTION |
|----------|-------------------|---|
| 01-00575 | RG2301GE-LAN - NA | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, NA Plug |
| 01-00576 | RG2301GE-LAN - EU | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, EU Plug |
| 01-00577 | RG2301GE-LAN - UK | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, UK Plug |
| 01-00578 | RG2301GE-LAN - AU | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, AU Plug |
| 01-00579 | RG2301GE-LAN - JP | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, JP Plug |
| 01-00604 | RG2301N-NA | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, NA Plug (without UDP) |
| 01-00605 | RG2301N-EU | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, EU Plug (without UDP) |
| 01-00606 | RG2301N-UK | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, UK Plug (without UDP) |
| 01-00607 | RG2301N-AU | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, AU Plug (without UDP) |
| 01-00608 | RG2301N-JP | 1-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, JP Plug (without UDP) |