The USB 2.0 RG2304GE-LAN provides the ability to connect all USB 2.0 devices to hosts across a Gigabit Ethernet Local Area Network using existing cabling in a ready-to-go turnkey form factor; just add an enclosure.

**Features**

The RG2304GE-LAN Turnkey extends USB 2.0 peripherals such as flash drives, keyboards, mice, webcams, and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers. The RG2304-LAN Turnkey includes support for isochronous devices (such as webcams).

- Extends USB through 1000Mbps LANs
- USB 2.0 throughput up to 480Mbps*
- Pre-paired networked configuration** for simple installation
- Supplies up to 600mA to each USB port concurrently

Includes the ExtremeUSB® suite of features:

- True plug and play. No software drivers required
- Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- Reliable operation with all USB device types, and hubs
- Patented USB extension technology

Supports remote pairing control via Icron Technologies’ SwitchableUSB™.

**Applications**

- Remote storage
- Video matrix systems
- Security and monitoring
- 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 RG2304GE-LAN Turnkey Specifications

RANGE
- Direct Connect: Up to 100m (330 ft) over solid core Cat 5e or better
- Network Connect: Up to 100m (330 ft) between switches over solid core Cat 5e

USB DEVICE SUPPORT
- Maximum Throughput: Up to 480Mbps*
- Traffic Types: All USB 2.0 Traffic Types
- Device Types: All USB 2.0 Device Types

NETWORKING
- Standards: 1000BASE-T*
- Data Traffic: Layer 2

LOCAL EXTENDER
- USB Connector: 1 x USB Type B Receptacle
- Link Connector: 1 x RJ45
- PCB Footprint: 85mm x 71.5mm (3.35" x 2.80")

REMOTE EXTENDER
- USB Connectors: 4 x USB Type A Receptacles
- Link Connector: 1 x RJ45
- PCB Footprint: 85mm x 71.5mm (3.35" x 2.80")
- Available Current: Up to 600mA to each USB port
- Power Connector: 5V or 10-24V DC onboard, 10-24V DC 2.1mm center-positive barrel

ENVIRONMENTAL
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Storage Temperature: -10°C to 60°C (14°F to 140°F)
- Operating Humidity: 20% to 80% relative humidity, non-condensing
- Storage Humidity: 10% to 90% relative humidity, non-condensing

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

SUPPORT
- Warranty: 2 years

Ordering Information
The RG2304GE-LAN Turnkey includes either a local extender or remote extender, and a two year warranty. For more information email sales@icron.com or call +1 604 638 3920.

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<tr>
<th>PART #</th>
<th>NAME</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>02-00030</td>
<td>USB 2.0 RG2304GE-LAN Turnkey LEX</td>
<td>1-Port USB 2.0 Gigabit Ethernet LAN Local Extender Module (PCBA without housing)</td>
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<tr>
<td>02-00031</td>
<td>USB 2.0 RG2304GE-LAN Turnkey REX</td>
<td>4-Port USB 2.0 Gigabit Ethernet LAN Remote Extender Module (PCBA without housing)</td>
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<tr>
<td>21-00054</td>
<td>24V 1A Power Adapter</td>
<td>100-240V, 2.1mm (ID) plug, IEC320-C7/C8 2-pin</td>
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