

USB 2.0 RG2304 Turnkey Extender

4-port USB 2.0 100m Cat 5e Turnkey Extender

Sold as Turnkey PCBAs

The USB 2.0 RG2304 is the latest in a long line of reliable point-to-point USB 2.0 extender systems from Icron Technologies. It features full device and host support, including newer USB 3.0 compatible devices and controllers, and fast USB 2.0 throughput in a ready-to-go turnkey form factor; just add an enclosure.



Local Extender



Remote Extender

Features

The RG2304 extends all USB 2.0 peripherals such as flash drives, keyboards, mice, webcams and interactive whiteboards across a dedicated Cat 5e connection.

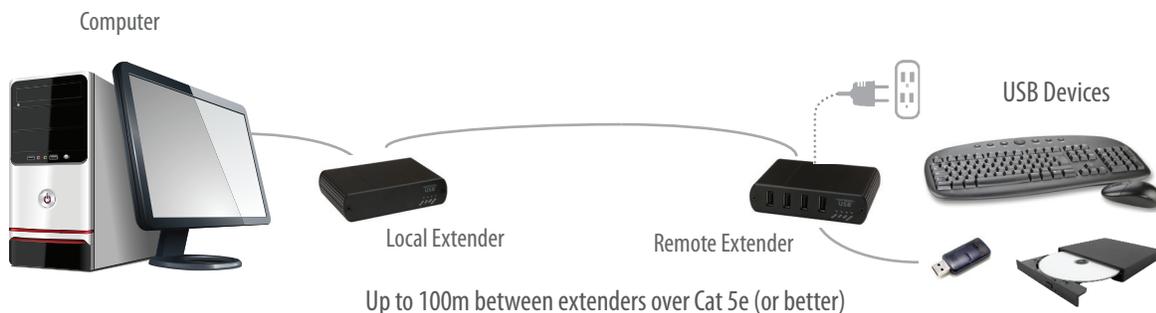
- USB 2.0 throughput up to 480Mbps
- Integrated hub provides ports for four USB devices, use hubs to add more
- Supplies up to 600mA to each USB port concurrently
- Operates with all USB controllers

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

Applications

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



* Supports Category cabling with Cat 5e being the minimum recommended. Cat 6 and 7 are supported.

USB 2.0 RG2304 Turnkey Specifications

RANGE

Direct Connect: Up to 100m (330 ft) over solid core Cat 5e or better

USB DEVICE SUPPORT

Max USB 2.0 Throughput: Up to 480Mbps
Max USB 1.1 Throughput: Up to 12Mbps
Traffic Types: All USB 2.0 and 1.1 Traffic Types
Device Types: All USB 2.0 and 1.1 Device Types

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

* Compliance tested in RG2304 enclosure with power supply.

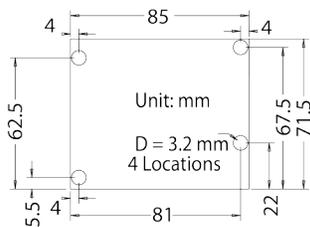


Specifications subject to change without notification.

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#90-01099-A01



Local and Remote Extender Dimensions



Ordering Information

The RG2304 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.

| PART # | NAME | DESCRIPTION |
|----------|---------------------------|---|
| 02-00028 | USB 2.0 RG2304Turnkey LEX | 1-Port USB 2.0 100m Cat5e Local Extender Module (PCBA without housing) |
| 02-00029 | USB 2.0 RG2304Turnkey REX | 4-Port USB 2.0 100m Cat5e Remote Extender Module (PCBA without housing) |
| 21-00054 | 24V 1A Power Adapter | 100-240V, 2.1mm (ID) plug, IEC320-C7/C8 2-pin |