

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

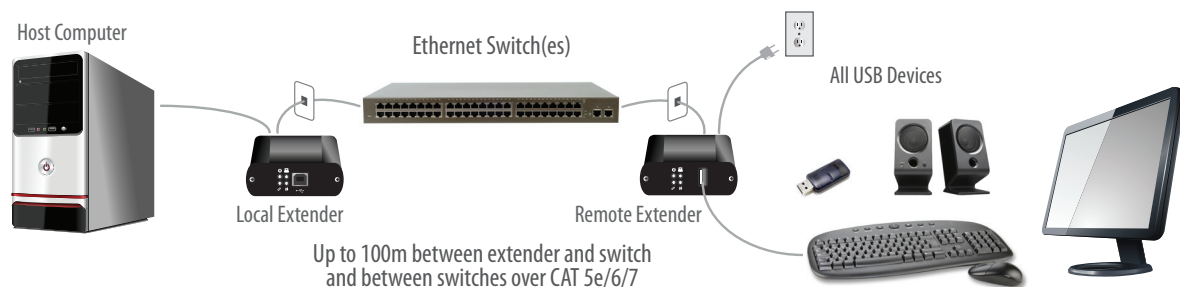
Includes the ExtremeUSB® suite of features:

- 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

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

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

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

LOCAL EXTENDER

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

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

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

Warranty:	2-year
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* 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)