

FAQ Subject	USB 2.0 Ranger® 23xx Product Line of ExtremeUSB Extender Systems
Products	Ranger 2304, Ranger 2304GE-LAN, Ranger 2301, Ranger 2301GE-LAN, Ranger 2311, Ranger 2312, Ranger 2324 and Ranger 2344
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Q1. What are the differences among the USB 2.0 Ranger® 23xx extender series models and when will they be available?

A1. The USB 2.0 Ranger 23xx extender systems are all available now. The differences can be summarized by the table below:

New 23xx Extender Model	Link Media	Max Distance	USB Ports	Power	FCC/CE	Legacy 22xx Extender model
USB 2.0 Ranger® 2304	CAT 5e/6/7	100m	4	24V at Remote	Class B	USB 2.0 Ranger® 2204
USB 2.0 Ranger® 2304GE-LAN	CAT 5e/6/7 or LAN					-
USB 2.0 Ranger® 2301	CAT 5e/6/7		1	5V at Remote		USB 2.0 Ranger® 2201
USB 2.0 Ranger® 2301GE-LAN	CAT 5e/6/7 or LAN					-
USB 2.0 Ranger® 2311	CAT 5e/6/7	500m	2	24V at Local or Remote	Class A	USB 2.0 Ranger® 2211
USB 2.0 Ranger® 2312				24V at Local or Remote	Class B	USB 2.0 Ranger® 2212
USB 2.0 Ranger® 2324	Multimode Fiber	500m	4	24V at Remote	Class B	USB 2.0 Ranger® 2224
USB 2.0 Ranger® 2344	Singlemode Fiber	10km				USB 2.0 Ranger® 2244

Q2. Are these USB 2.0 Ranger 23xx extender systems developed with Icron’s latest ExtremeUSB® ASIC?

A2. Yes.

Q3. Are these new extenders compatible with your existing USB 2.0 Ranger® 22xx series?

A3. No. The new 23xx series uses our latest ExtremeUSB ASIC and is not compatible with the older RG22xx series.

Q4. What are the advantages of the 23xx series over the 22xx series?

A4. The 23xx has been tested with the latest generation of computer Operating Systems, chipsets and USB peripherals guaranteeing the best compatibility and interoperability. The 23xx series includes our patented Mass Storage Acceleration feature which provides a significant

boost to bulk data transmissions compared to the 22xx platform. This allows us to maintain data throughput rates over long transmission distances.

Two of the models (2301GE-LAN and 2304GE-LAN) can additionally extend over a Local Area Network, allowing existing infrastructure cabling to be used.

All 23xx models now supply a maximum of 1A current at each port (up to 2.5A total shared between all ports)

Using hubs, up to 30 USB devices can now be connected to the remote extender

Q5. Will the 23xx series cost more than the 22xx series?

A5. No, in fact the 23xx equivalent models cost slightly less. Please contact your Account Manager for more details.

Q6. When will you be issuing an End-of-Life (EOL) notice for the 22xx series?

A6. An EOL notice is not planned at this time for the 22xx series. However, after August 2016, the 23xx series will be recommended for new designs.