icron

Release Notes

Hardware Change: EL/VU 5100 and 5200 KVM Extender Systems, Remote Video Chip Upgrade

EXTREME USB®

Contents

1.   Hardware Release Notes

The following notes are applicable to the EL/VU 5100 (DVI+ USB 2.0) and EL/VU 5200 (HDMI+USB 2.0) KVM extender systems. The two KVM extender systems are virtually the same, with the notable difference being the 5100 supports DVI and the 5200 HDMI.

1.1   Overview

The EL/VU 5100 and EL/VU 5200 KVM extender systems incorporate ExtremeUSB® for USB 2.0 extension and HDBaseT™ for HD video extension, the latter through the use of two VS100 chips from Valens, one each for the local and remote units of the respective KVM extender systems.

Valens has initiated a minor design logic change to their VS100 receiver (remote) chip revving the part number from VS100RX-A0 to VS100RX-A1 which will be used in the remote units of the 5100 and 5200 KVM extender systems. There is no change to the firmware nor the chip's bill of materials and form, fit and function remain the same. No change was made to the transmitter (local) Valens chip.

1.2   Reasons for the Change

Valens has replaced their VS100RX-A0 chip with the VS100RX-A1 chip and the former is no longer available.

1.3   Identified Issues

No new USB or video issues have been identified as a result of this change. Moreover, no impact to emissions or immunity performance has been observed or is expected.

1.4   Date of Effect

The new Valens chip is expected to ship as a component of the EL/VU 5100 and 5200 KVM extender systems as follows:

EL/VU 5100	by April 6, 2015
EL/VU 5200	by June 5, 2015

1.5   Details of the Change

Valens has addressed a potential issue where 4K video signals may drop under rare conditions by making a minor design logic change to their receiver chip. The VS100RX-A0 will be replaced by the VS100RX-A1 and incorporated into the remote units of the 5100 and 5200 KVM extender systems.

There is no change to the video chip's firmware nor bill of materials with form, fit and function remaining the same. No change was made to the transmitter (local) Valens chip. Moreover, no changes were made to the 5100/5200 KVM extender systems' USB firmware. This video chip change is just a drop-in replacement.

2.   Impacted Products

Supported Icron product model numbers include, but are not limited to, the following:

5100 Series

00-00307	EL5100 - NA	DVI+USB 2.0 resolution1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, NA Power Cord
00-00308	EL5100 - EU	DVI+USB 2.0 resolution 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, EU Power Cord
00-00309	EL5100 - UK	DVI+USB 2.0 resolution 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, UK Power Cord
00-00310	EL5100 - AU	DVI+USB 2.0 resolution 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, AU Power Cord
00-00286	VU5100 - AU	Unbranded DVI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, AU Power Cord
00-00285	VU5100 - UK	Unbranded DVI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, UK Power Cord
00-00284	VU5100 - EU	Unbranded DVI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, EU Power Cord
00-00283	VU5100 - NA	Unbranded DVI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, NA Power Cord
10-00207	VU5100 Turnkey Remote Extender	DVI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Remote Extender Module (PCBA without housing)

5200 Series

00-00319	EL5200 - NA	HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, NA Power Cord
00-00320	EL5200 - EU	HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, EU Power Cord
00-00321	EL5200 - UK	HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, UK Power Cord
00-00322	EL5200 - AU	HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, AU Power Cord

01-00396	VU5200 - AU	Unbranded HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, AU Power Cord
01-00395	VU5200 - UK	Unbranded HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, UK Power Cord
01-00394	VU5200 - EU	Unbranded HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, EU Power Cord
01-00393	VU5200 - NA	Unbranded HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Extender System, 100-240V Power Adapter, NA Power Cord
02-00005	VU5200 Turnkey Remote Extender	HDMI+USB 2.0 1920x1200 100m single Cat 5e/6 KVM Remote Extender Module (PCBA without housing)

Customized part numbers from the 5100/5200 KVM extender series not shown above will also be impacted by this change. If you are unsure, please consult with your account manager to determine if this release applies to you.

2.1   Changes to Product Orders

No change is required on your part for ordering 5100 or 5200 KVM extender systems. Should you have any questions about this hardware update or would like to order, please contact your account manager or the Icron Technologies Inside Sales Desk at +1 604.638.3920.

3.   Notes

3.1   Revision Control

Document #	Revision	Author(s)	Publication Date
90-01319-A01	Initial release	Glenn Antonelli	January 27, 2015