平成 27 年 8 月 21 日

営業部

Icron Technologies USB3.0 エクステンダーSpectra3022 仕様変更のご案内

掲題に関し以下の通りご連絡をさせて頂きます。

1．対象製品型番（弊社取扱い分）
　 00-00327

2．ハードウェア変更内容 (A05→B02)
　　・ローカルユニット側の電源ジャックを削除
　　・一部ハードウェア構成部品の変更

3．ファームウェア変更内容 (I03→I05)
　　・Polycom のビデオ会議システム (CX5100 / CX8100)への対応を追加
　　・Mightex 社製産業用 USB3.0 カメラへの対応を追加
　　・東芝テリー社製産業用 USB3.0 カメラへの対応を追加
　　・その他バグ修正 (詳細は添付のメーカー通知書を参照)

4．互換性
　　これらのハードウェア・ファームウェアの更新に伴い、現時点では新たな問題は確認され
　　ておりません。現行製品と変更後の新製品の間には互換性があります。ただし、A05 以前
　　の現行ハードウェアを、新ファームウェアバージョン I05 へアップデートすることはでき
　　ません。

5．変更時期
　　2015 年 10 月 Icron 社出荷分よりこれらの変更が適用される予定です。

正式文書としては添付のメーカーからのリリースノートをご参照ください。

Release Notes

Hardware Update for the USB 3.0 Spectra/SP3022 Extender Systems

EXTREME USB®

Document #:	90-01346
Release Date:	August 4, 2015
Version:	A01

Contents

1.   Hardware Release Notes

The following notes are applicable to Icron's ExtremeUSB® based USB 3.0 Spectra/SP3022 extender systems, moving from hardware revision A05 to B02.

1.1   Details of Change

Icron has made some minor upgrades to the USB 3.0 Spectra/SP3022 extender systems to accommodate more industrial applications and improve product reliability.

Changes are as follows:

- **Power Connector:** removal of power connector on Local extender as it is not required for normal operation (Local extender is bus-powered);
- **Reliability:** upgraded hardware components to enhance product reliability.

Figure 1 – Original Local Extender Unit (LEX) with power connector

Figure 2 – New Local Extender Unit (LEX) with power connector removed

1.2   Reasons for the Change

These hardware upgrades are in response to customer feedback to accommodate more industrial applications and provide increased flexibility in the installation process.

1.3   Identified Issues

No new USB issues have been identified as a result of this change and original extender units (A05) are compatible with the new extender units (B02).

1.4   Date of Effect

The USB 3.0 Spectra/SP3022 extender systems with hardware version B02 are expected to start shipping in October 2015.

2.   Impacted Products

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

Icron Part Number	Icron Name	Icron Description
01-00425	USB 3.0 SP3022 - NA	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, NA Power Cord
01-00426	USB 3.0 SP3022 - EU	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, EU Power Cord
01-00427	USB 3.0 SP3022 - UK	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, UK Power Cord
01-00428	USB 3.0 SP3022 - AU	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, AU Power Cord
10-00311	USB 3.0 SP3022 Local Extender	USB 3.0 only, 1-Port (Locking)100m Multimode Fiber Optic 100m Multimode Fiber Optic Local Extender Module
10-00312	USB 3.0 SP3022 Remote Extender	USB 3.0 only, 2-Port (Locking)100m Multimode Fiber Optic Remote Extender Module
00-00327	USB 3.0 Spectra 3022 - NA	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, NA Power Cord
00-00328	USB 3.0 Spectra 3022 - EU	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, EU Power Cord
00-00329	USB 3.0 Spectra 3022 - UK	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, UK Power Cord
00-00330	USB 3.0 Spectra 3022 - AU	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, AU Power Cord
10-00309	USB 3.0 SP 3022 Local Extender	1-Port 100m Multimode Fiber Optic Local Extender Module
10-00310	USB 3.0 SP 3022 Remote Extender	2-Port 100m Multimode Fiber Optic Remote Extender Module

Customized part numbers for the USB 3.0 Spectra/SP3022 extender systems are not shown above and will also be impacted by this hardware upgrade. If you are unsure of the implications, please consult with your account manager.

2.1   Changes to Product Orders

No change is required on your part for ordering the USB 3.0 Spectra/SP3022 extender systems. Should you have any additional questions about this hardware update, 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
90-01345	Initial document release.	Lydia Ko	August 4, 2015

icron

Release Notes

I05 Firmware for the USB 3.0 Spectra™/SP3022 Family of Extender Systems

EXTREME USB®

Document #:	90-01347
Firmware Release Date:	August 4, 2015
Version:	A01

Contents

1.   Firmware Release Notes

The following notes are applicable to the I05 firmware release associated with Icron's ExtremeUSB® based USB 3.0 Spectra™/SP3022 Extenders.

NOTE: I05 is backwards compatible with I-Stream firmware release I03. Local Extender units (LEX) and Remote Extender units (REX) with different firmware versions can be used in the same application. Firmware release I04 was not publically released.

1.1   Included Features and Fixes

Firmware release I05 is built on top of the advancements made in the I04 firmware release. I04 was not publicly released for Spectra/SP3022 customers and so features and fixes shown below are a compilation of the differences between I03 and I05.

Feature Enhancements:
- Added support for Polycom's CX5100 and CX8100 video conferencing systems; and
- Added support for Mightex's USB 3.0 industrial cameras
- Added support for Toshiba-Teli's USB 3.0 industrial cameras

Bug fixes:
- Fixed an issue on the Renesas Electronics µPD720200 host controller that had previously prevented the downstream device from recovering after link cycle;
- Fixed issue that had, in rare cases, blocked the REX hub from notifying the USB host that a downstream device has been connected after boot; and
- REX hub no longer initiates entry into U1 and U2 suspend states

1.2   Identified Firmware Issues

No new firmware issues have been identified as a result of this firmware release.

1.3   Date of Effect

This firmware change for the USB 3.0 Spectra/SP3022 will take place in October 2015 to coincide with Icron's shipment of a hardware upgrade (hardware board revision B02). For more information on the hardware revision, please refer to "**90-01346-A01: Hardware Update for the Spectra/SP3022 Extender Systems**" for boxed units and "**90-01345-A01: Hardware Update for the SP3022 Turnkey Extenders**" for turnkey boards.

1.4   Upgrade Notes

The I05 firmware version is specific to the new hardware revision (B02) for the Spectra/SP3022. The previous hardware version (A05 or lower) does not require a firmware update and cannot be updated to I05.

2.   Impacted Products

Supported Icron extender part numbers include, but are not limited to, the following:

Icron Part Number	Icron Name	Icron Description
01-00425	USB 3.0 SP3022 - NA	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, NA Power Cord
01-00426	USB 3.0 SP3022 - EU	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, EU Power Cord
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01-00428	USB 3.0 SP3022 - AU	USB 3.0 only, unbranded 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, AU Power Cord
10-00311	USB 3.0 SP3022 Local Extender	USB 3.0 only, 1-Port (Locking)100m Multimode Fiber Optic 100m Multimode Fiber Optic Local Extender Module
10-00312	USB 3.0 SP3022 Remote Extender	USB 3.0 only, 2-Port (Locking)100m Multimode Fiber Optic Remote Extender Module
02-00022	USB 3.0 SP3022 Turnkey Local Extender	1-Port 100m Multimode Fiber Optic Local Extender Module (PCBA without housing)
02-00023	USB 3.0 SP3022 Turnkey Remote Extender	2-Port 100m Multimode Fiber Optic Remote Extender Module (PCBA without housing)
00-00327	USB 3.0 Spectra 3022 - NA	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, NA Power Cord
00-00328	USB 3.0 Spectra 3022 - EU	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, EU Power Cord
00-00329	USB 3.0 Spectra 3022 - UK	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, UK Power Cord
00-00330	USB 3.0 Spectra 3022 - AU	USB 3.0 only, 2-Port (Locking) 100m Multimode Fiber Extender System, 100-240V Locking Power Adapter, AU Power Cord
10-00309	USB 3.0 SP3022 Local Extender	1-Port 100m Multimode Fiber Optic Local Extender Module
10-00310	USB 3.0 SP3022 Remote Extender	2-Port 100m Multimode Fiber Optic Remote Extender Module

This is not an exhaustive list of impacted products as customized part numbers are not shown above. Please review your own ExtremeUSB based extender models, or consult with your account manager to determine if this release applies to you.

3.   Definitions

Device Cycle – unplugging and plugging back in, or turning off and turning back on a USB device.

LEX – Local Extender module. The module that is connected to the host computer.

Link Cycle – unplugging and plugging back in the link between the Local and Remote Extenders. This is typically the Cat X cable or Fiber cable between the units.

Local Extender Cycle – unplugging the Local Extender unit from the host computer, and plugging it back in.

Power Cycle – power off a unit, and powering it back on. A power cycle may apply to an extender module, USB device, or a host computer.

Remote Extender Cycle – unplugging the remote extender from the power source, and plugging it back in. One some systems this may be the same as a Link Cycle.

REX – Remote Extender module. The module that is connected to the USB device(s).

Suspend Cycle – Allowing a host computer to suspend the USB bus, ports, and then forcing the host computer to bring the USB bus or ports out of the suspend state.

USB – Universal Serial Bus. Communication standard between devices and computers.

4.   Notes

As a result of transmission delays, and other aspects inherent to USB extension, some device and host controller combination may not work as expected in certain situations, such as during power cycles, or when bandwidth requirements increase.

If you have concerns, questions or comments about specific devices, controllers, operating systems or these release notes, please contact Icron Technologies Technical Support at http://icron.com/support in advance so we are better able to assist you.

4.1   Revision Control

Document #	Revision	Author(s)	Publication Date
90-01347	Initial document release.	Lydia Ko	August 4, 2015