



Paragon II

Release 4.8

August 25, 2011

Document Revision History

| | |
|-----------------------------------|-----------------|
| Original Document Release: | August 25, 2011 |
| Revisions: | |

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Overview

Paragon II release 4.8 provides several enhancements and maintenance items – particularly in the area of mouse/keyboard support and updated smart card/CAC support.

Updated Firmware

Version 4.8 of Paragon II provides firmware updates for several of the platform's components. New firmware updates include:

| Firmware | Version Number |
|-----------------|----------------|
| P2-UMT | 3EK |
| P2-EUST | 3F6 |
| P2-EUST/C | 4F6 |
| P2CIM-AUSB | 0F6 |
| P2CIM-AUSB-C | 1A9 |
| P2CIM-APS2 | 3C2 |
| P2CIM-APS2DUAL | 2A6 |
| Paragon Manager | 1.2.1.5.14 |

Please refer to the Compatibility Matrix for the complete list of all current Paragon II component firmware.

Updated User Documents

The following Paragon II user documents have been updated:

| Document | Version Number |
|------------------------------|------------------|
| Paragon II User Guide | PII-0W-v4.8-E |
| Paragon II Quick Setup Guide | QSG-P2-0M-v4.8-E |

Obtaining Updates

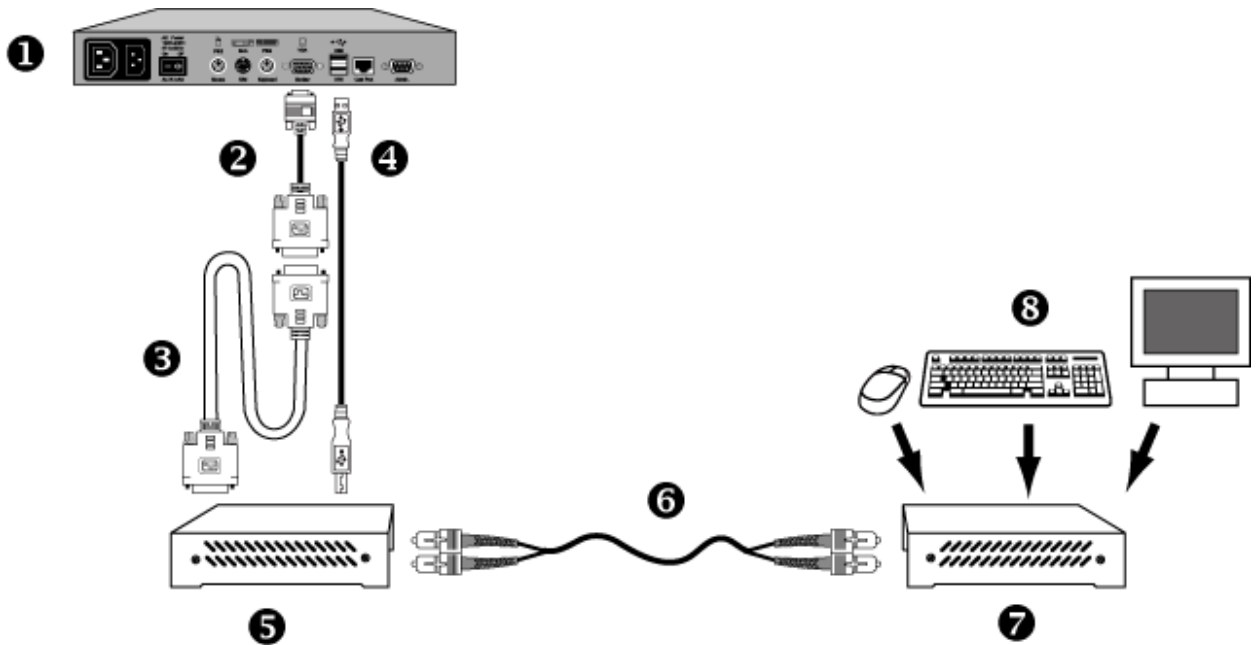
New release 4.8 firmware and documentation can be accessed at Raritan's Paragon II support page: <http://www.raritan.com/support/Paragon-II/>. Please download the compatibility matrix from this same location and review it before proceeding with your installation of release 4.8.

Enhancements

Support for the IHSE Fiber Extender

Paragon II now supports an IHSE DDXi digital KVM fiber extender to enable greater distance between users and target devices & servers. With the use of this extender, the user can be located up to 4921 feet (1500 m) away from a Paragon II user station. The IHSE part number for this fiber extender is K443-2U.

The following diagram shows the connection to the P2-EUST. Users are located with the DDXi Remote Unit (7), which may be located in a building separate from the Paragon II equipment if desired. The P2-EUST and P2-UMT switch are located in the same building.



- 1) P2-EUST
 - 2) VGA-to-DVI adapter*
 - 3) DVI cable*
 - 4) USB-A to USB-B cable*
 - 5) DDXi K443-2U local unit*
 - 6) Interconnect Cable (see IHSE documentation for cable requirements)
 - 7) DDXi K443-2U remote unit*
 - 8) Keyboard, mouse and monitor
- *Provided in the DDXi K443-2 package.

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Updated Smart Card Support

Paragon II has been enhanced to support smart card/CAC/PIV cards that require higher data throughput, such as the Gemalto TOPDLGX4 144 and Gemalto Cyberflex Access 64K V2c.

Support for the SMK-Link RemotePoint EmeraldNavigator Wireless Pointer

Paragon II now supports connecting this wireless pointer to the P2-EUST user station (note – not compatible with P2-EUST/C). When used with Paragon II, a pointer is a convenient navigation tool in a variety of large display applications, such as a NOC or broadcast environment. Note that Paragon II 4.8 has been engineered to specifically support the RemotePoint EmeraldNavigator wireless pointer and is the only such product compatible with Paragon II. Please refer to the 4.8 update to the Paragon II User Guide for further details.

Support for 12 and 16 Bit Mice and Keyboards

Mice and keyboards in use before this release are still compatible with Paragon II. However, some newer model mice and keyboards have some updated specifications that need to be supported; particularly the bit count. Release 4.8 has been enhanced to support the latest. Note that not all products on the market can be tested.

Raritan has tested and approved the following products for use with Paragon II. This does not represent all mice and keyboards that may function properly with Paragon II.

Mice

- Microsoft Comfort Optical Mouse 3000
- Microsoft Comfort Optical Mouse 4500
- Microsoft Comfort Optical Mouse 6000
- Microsoft Notebook Optical Mouse 3000
- Microsoft Arc Mouse
- Microsoft Wireless Mouse 1000
- Microsoft Wireless Mouse 2000
- Microsoft Wireless Mobile Mouse 3500
- Microsoft Wireless Mobile Mouse 4000
- Microsoft Wireless Mobile Mouse 6000
- Logitech B110
- Logitech M110
- Logitech MK320 (Keyboard & Mouse)
- Logitech M705
- Logitech M515
- HP MODGUO
- Dell MS111-P
- Logitech M505
- Logitech B100
- Logitech M305
- IBM 06P4069 Optical USB Wheel Mouse

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Microsoft Basic Optical Mouse Black
Logitech M100 USB Optical Wired Mouse
Logitech M90

Keyboards

Logitech K120 920-002478 Keyboard
Lenovo ThinkPlus Preferred Pro USB Keyboard
Logitech Desktop MK120 Wired Keyboard
Apple MB110LL/A White USB Wired Slim Keyboard
HP 2004 Standard Keyboard - keyboard
Logitech K340

Maintenance

The following maintenance issues have been addressed in release 4.8. (Note – ID numbers in this section are reference numbers internal to Raritan.)

| ID | Summary |
|---------------|--|
| 33988 | Problem reported when rebooting USTIP in multiple video mode |
| 33337 / 38490 | Blank screen reported |
| 25296 | Mistaken red CIM status |
| 25327 | Multiple users able to access target in private mode |
| 33883 / 34595 | Mouse and OSD issue when using HUBPAC firmware 0D1 |

Special Notes (General)

1. The UKVMSPD, which is a Paragon I Z-CIM, became incompatible with Paragon II as of release 4.4.1. Customers that wish to continue using the UKVMSPD in its Z-CIM capacity should not upgrade to 4.4.1 or future Paragon II releases. Additionally, please note the following:
 - If a UKVMSPD user has upgraded their Paragon II components to 4.4.1, they should roll back to 4.4. Prior releases are provided along with the current one at <http://www.raritan.com/support/Paragon-II/>.
 - If a UKVMSPD user desires to upgrade to 4.4.1 and requires the use of Z-CIMs, they will need to replace them. The direct replacement for the UKVMSPD is the P2ZCIM-PS2. For USB connections, the P2ZCIM-USB is also available. Note that replacements for the UKVMSPD will be provided under warranty only if the customer is required to upgrade to 4.4.1 in order to fix a serious system issue.
 - The UKVMSPD can continue to be used for its “local PC” access feature, in which the CIM is connected to the I/O ports of a PC located near the Paragon user station, thereby enabling access from the user station to both the PC and the Paragon switch.
 - The Paragon II Z-CIMs (P2ZCIM-PS2 and P2ZCIM-USB) do not support the local PC feature.

2. Using Combo Keyboards: Many keyboards sold today have USB ports built into them, allowing for the use of a variety of peripherals. In many cases, users have begun to utilize these USB ports for the purpose of connecting a mouse. It's important to note that the Paragon II user station's USB ports may only be used for connecting one keyboard and one mouse. If a mouse is connected to the keyboard, the second USB port on the user station automatically deactivates. In other words, if the keyboard and mouse is connected through one USB port, the user station has reached its keyboard/mouse limit and cannot accept another I/O device in the open port. Please see the updated user guide for details on using this type of keyboard/mouse configuration (*Chapter 5: Information about Keyboard, Mouse and Video*).