

## Paragon II Platform

Release 4.5

November 20, 2008

### Document Revision History

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## Introduction

Version 4.5 of Paragon II provides firmware updates for several of the platform's components.

New firmware updates include:

<b><u>Firmware</u></b>	<b><u>Version Number</u></b>
P2-UMT	3EH
P2-EUST	3F0
P2-EUST/C	4F0
P2-UST	1FE
P2CIM-AUSB	0F0
P2CIM-AUSB DUAL	0A4
P2CIM-AUSB-B	0A8
P2CIM-APS2-B	0A3
P2ZCIM-USB	0E8
P2CIM-PWR	0A9
P2-HUBPAC	0D1

## Updated Firmware

Release 4.5 firmware can be accessed at Raritan's Paragon II support page:  
<http://www.raritan.com/support/Paragon-II/>.

## Updated User Documents

The Paragon II user guide has been updated with this release and is available for download at the support link provided above. The quick start guide has been updated to reflect Raritan's new document format.

## New Features

Version 4.5 delivers the following features and enhancements to the Paragon II platform.

1. Widescreen Resolution Support

Paragon II now supports popular widescreen resolutions used with 19 and 22 inch displays. The following resolutions are supported (all at 60 Hz refresh rate):

Resolution	Distance Between User and Target (ft.)
1680x1050	700
1600x1200	700
1440x900	1000
1280x1024	1000
1152x864	1000
1024x768	1000
800x600	1000

In some cases, depending on the target server's video output capabilities, a **specially-programmed DDC2 adapter may be required** for proper performance. A definitive list of video boards that require the use of an adapter with Paragon II is not available, given the large array of products available.

If widescreen video performance with Paragon II 4.5 (and future releases) is not satisfactory, customers should utilize a DDC2 adapter available from Raritan. Note that the following adapters are programmed by Raritan for this specific use. Therefore, 3<sup>rd</sup> party adapters are not supported.

DDC Adapter #	Resolution	Display Size
<b>DDC-1440</b>	1440x900	19"
<b>DDC-1440</b>	1280x1024	19"
<b>DDC-1440</b>	1280x768	19"
<b>DDC-1440</b>	800x600	19"
<b>DDC-1680</b>	1680x1050	22"
<b>DDC-1680</b>	1280x1024	22"
<b>DDC-1680</b>	1280x768	22"
<b>DDC-1680</b>	800x600	22"

The DDC2 adapters have been added to the Raritan price list (\$19.00).

[Raritan is currently investigating the feasibility of providing support for these and the 1920x1200 setting on a 24" display in a future release.](#)

## 2. Extended Support of PX PDU's with 16 and 24 Outlets

Paragon II has been enhanced to support new PX PDU models with 16 and 24 outlets. As a result, Paragon II supports the connection and control of Raritan PX power strips with 8, 12, 16, 20 and 24-outlets.

Additionally, this version also validates the platform's compatibility with the following PCCI components:

Lastly, Raritan's updated logo has been implemented throughout the Paragon II user interface and user guide.

## Special Notes

1. The UKVMSPD, which is a Paragon I Z-CIM, is not compatible 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 be aware of 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.

## Issues Fixed or Closed in This Release

#	Description	Implementation
4984	Mac boot commands issue	P2CIM-AUSB
7161	AutoSkew issue	P2-UMT
8903	Mac Mouse roll ball direction issue	P2CIM-AUSB-C
9450	Xwindows fails to start on Blade 1500 running Solaris 8 with AUSB CIM	P2CIM-AUSB
9668	Two users switch to same target. User-01 or User-02 call OSD, it will close	P2-UMT
9821	If pressing <Scroll Lock> three times and not releasing at the last time, the video in the Vista channel kept flashing.	P2-EUST and P2-EUST/C
9966	UST-IP remote to execute DPX cycle power channel twice, the UST-IP will logout remote menu	P2-UMT
11756	Keyboard and Mouse issue with IBM X3250	P2CIM-APS2
12126	Keyboard and Mouse issue with IBM X3550	P2CIM-APS2
12842	Sometimes No connection to Paragon after returning from the local PC	P2-EUST
13478	Intermittent loss of mouse and or keyboard on certain servers	Multiple, P2-HUBPAC
13479	CIM names appear black, however when switching dual video both heads appear	Multiple, P2-HUBPAC
14132	"Waiting for Access key sequence" error	P2-UMT
14141	Monitor shift issue	P2-HUBPAC
14494	User accessed a channel using PCSHARE and saw a black screen until the second user accessed the channel	Multiple, P2-HUBPAC
15038	"No Connection to Paragon" reported	P2-UMT. Note: "Watchdog" feature implemented. UMT will reboot if firmware is inactive after 4 seconds.
15293, 16708	Black screen and system freeze reported	P2-UMT
15996	CTRL key is incorrectly selected	Multiple, P2-HUBPAC
16217, 16839	Doc request: Dell SK-8135 USB keyboard non-functional when connected to USB Ports on P2-EUST/C	User Guide
16474	CIM corruption on Paragon names	P2-HUBPAC
16528	Blade issue	Multiple
16610	Shift key issue	Multiple, P2-HUBPAC

## Issues Deferred to a Future Update

#	Description	Affected Component
4709/4711/8276	USTIP / IBM P5 issue	USTIP (Scheduled for release 4.6.)
4869	Network card responded with wrong gateway	P2-UMT
4871	“Adding illegal IPR should not be allowed.”	PII-SC
5370	Report of compatibility issue with IBM RS/6000 43P Model140	Multiple
8737	“Incorrect Login” message appeared after an attempt to download the UMT database	Paragon Manager
9056	No video during text mode using P2CIM-AUSB on X4100 servers	P2CIM-AUSB
9204	Mouse jumping after upgrading UST-1 to 5J1	UST1
9135	Menu status alternated between Magenta and Black	P2ZCIM
9603	Report of PC/Server not detecting the smart card at first after a reboot.	P2CIM-AUSB-C, P2-EUST/C
9720	When performing P2-EUST/C FW upgrade, sometimes need to click the download button twice.	P2-EUST/C
11306	Partial view of OSUI	P2-EUST and P2-EUST/C
12249	Report of lost connection after accessing local PC	P2CIM-AUSB-C
13002	P2-UMT stacking unit FW upgrade issue	P2-UMT Stacking Units. Note that no new functionality has been added to the stacking unit firmware as of firmware version 3B1. If running 3B1 or higher an upgrade is not needed. If older than 3B1, upgrade to the current version available on the Raritan web site.

### Issues Classified As “Unable to Reproduce”

#	Description	Affected Component
8307	Random “no connection” errors	Multiple
11258	Public View mode issue	P2-UMT
12249	After cold-booting with AUSBC, sometimes there is no KB/MS.	P2CIM-AUSB-C
9603	“PC/Server doesn’t detect the card at the first after rebooting. From sniffer data, cmd0x26 was missed between UMT and UST. Workaround: Re-insert the card manually to recover”	P2CIM-AUSB-C
11671	Can't boot Sun Blade100 with Solaris 10 when attached with AUSB-C.	P2CIM-AUSB-C

### Issues Classified As “Functions As Intended”

#	Description	Affected Component
14514	Blade server access issue	P2CIM-AUSB-B
14647	Reported loss of video on sun targets x4200 (OS RedHat Linux) when text wraps off of screen. (The customer’s target servers are not in compliance with VESA’s specifications.)	Multiple

### Issues Classified As “Will Not Fix”

#	Description	Affected Component
13287	Report of Paragon Manager application failure	Paragon Manager