

## Paragon II Platform

Release 4.4.1

August 4, 2008

### Document Revision History

<b>Original Document Release:</b>	July 10, 2008
<b>Revisions:</b>	August 4, 2008: Added special note regarding UKVMSPD compatibility.

### Index

Introduction.....	2
Updated Firmware.....	2
Updated User Documents .....	2
New Feature.....	2
Issues Fixed or Closed in This Release .....	5
Issues That Will Not Be Fixed .....	5
Issues Deferred to a Future Update.....	6
Deferred PCCI Issues.....	7
Special Note.....	8

## Introduction

Version 4.4.1 is primarily a maintenance release, which, in addition to several fixes, also establishes compatibility with the Belkin OmniView™ Secure KVM Switch, enabling its use as a “front-end” to Paragon II P2-EUST/C.

## Updated Firmware

Release 4.4.1 firmware can be accessed at Raritan’s Paragon II support page:  
<http://www.raritan.com/support/Paragon-II/>.

New firmware updates:

<u>Firmware</u>	<u>Version Number</u>
P2-UMT	3EG
P2-EUST	3EE
P2-EUST/C	4EE
P2-UST	1FD
P2CIM-AUSB	0EE
P2ZCIM-USB	0E8
Paragon Manager	2.0.2.5.6

## Updated User Documents

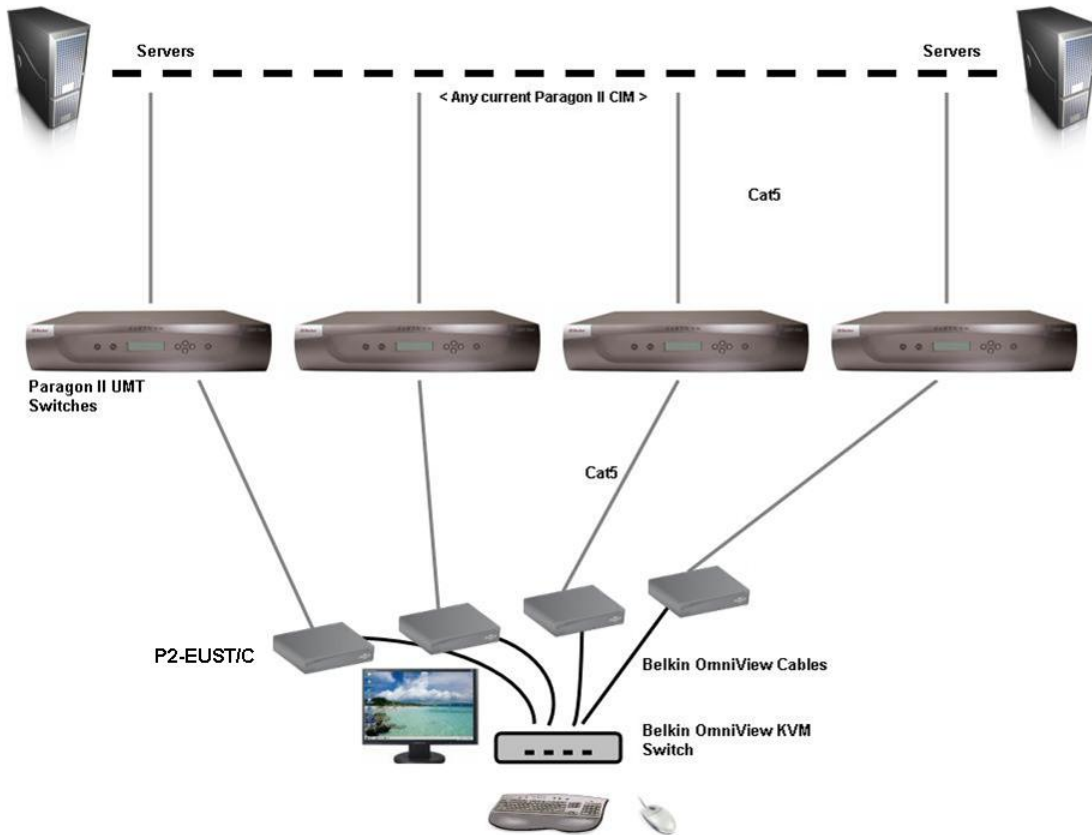
No updates in this release.

## New Feature

4.4.1 provides compatibility with the Belkin OmniView™ Secure KVM Switch. The approved configuration allows for the use of the Belkin switch as a “front end” to the **P2-EUST/C**, in which the switch’s special KVM cables are connected to the Paragon user station (note that the Belkin switch is not compatible with the **P2-EUST**). Each of the Belkin OmniView models is supported:

<u>Part #</u>	<u>Product Name</u>
F1DN102U	OmniView™ Secure 2-Port KVM Switch
F1DN104U	OmniView™ Secure 4-Port KVM Switch
F1DN108U	OmniView™ Secure 8-Port KVM Switch

The following picture represents the supported configuration (in this example, the 4-port model is used):












Use of the P2-EUST/C card reader is supported with this configuration, however, the card must be reinserted each time a new server is accessed.

Not all keyboards are supported when using the Belkin switch with Paragon II. Raritan tested all of the keyboards available in its test lab. Most proved to function properly, but some did not. Of course, there are other keyboards available on the market that Raritan does not currently have in its lab. The following is a summary of the test results, and therefore, the supported keyboard list.

● = Failed Testing/Not Supported

Manufacturer	Name/Model	Model/FCC ID	Type	Pass/Fail
Microsoft	Wireless MultiMedia Keyboard 1.0A	X09-57730	Combo	Pass
Logitech	Cordless keyboard	Y-RR54	Combo	Pass
Logitech	Cordless keyboard	Y-RJ20	Combo	Pass
ZIPPY	WK-808	(unavailable)	Combo	Pass
Asima	(unavailable)	(unavailable)	Combo	Pass
Logitech	Cordless Desktop Pro	Y-RJ7	Combo	Pass
GoodVision	JSKL-8831	(unavailable)	Combo	Pass
WiNTek	WK-808/KT-808	(unavailable)	Combo	Pass
Microsoft	Nature keyboard Pro	XRT9401V5FTWR	HUB	●

Manufacturer	Name/Model	Model/FCC ID	Type	Pass/Fail
HP	C4768	6512-UK	Combo	Pass
HP	C4768	6512-UK	Combo	Pass
MAXDATA	BS 13000	(unavailable)	Combo	
SiliconGraphics	SK-2502U	GYUR58SK	Combo	Pass
US	ACK-260UA	(unavailable)	Combo	Pass
Dell	SK-8125	(unavailable)	Hub+Combo	
Microsoft	Digital Media Pro Keyboard	KC-0405	Combo	Pass
Apple	MTM1108	(unavailable)	HUB	
Logitech	Elite Keyboard	Y-BF38	Combo	Pass
Microsoft	Nature keyboard Elite	KU-0045	Combo	Pass
BELKIN	(unavailable)	F8E887	HUB+Combo	
Kensington	Comfort Type USB/PS2 keyboard	K64338B	Combo	Pass
IBM	SK-8815	(unavailable)	HUB	
HP	KU-0316	(unavailable)	HID	Pass
HP	KU-0316	(unavailable)	HID	Pass
Dell	RT7D50	(unavailable)	HID	Pass
Microsoft	Comfort Curve Keyboard 2000 V1.0	KU-0459	Combo	
Microsoft	Comfort Curve Keyboard 2000 V1.0	KU-0459	Combo	
Microsoft	Natural Ergonomic Keyboard 40000 v1.0	KU-0462	Combo	
Logitech	Corded Keyboard	Y-BN52	Combo	Pass
Apple	M7803	(unavailable)	HUB	
Song.Win	KB-MED-U	MCK-30U	(unavailable)	Pass
SUN	TYPE6 USB	(unavailable)	(unavailable)	Pass

Other keyboards may function properly, but were not available for testing. If other keyboards not listed above are reported as functioning improperly when using the Belkin switch as a front end to Paragon II, please report it to Raritan Technical Support.

Product information for the supported Belkin switch can be found here:  
[http://catalog.belkin.com/IWCatProductPage.process?Product\\_Id=289907](http://catalog.belkin.com/IWCatProductPage.process?Product_Id=289907).

Only this model is officially supported.

## Issues Fixed or Closed in This Release

#	Description	Implementation
4717	Intermittent mouse and keyboard response, although video is present when using Paragon II UMTs and P2ZCIM-USB	P2ZCIM-USB
4728	Paragon II OSD Shows a Green Active Channel, on a PII ZCIM Chain, when no active target/device/server exists	P2-UMT
7161	2nd user lost auto-skew in HUBPAC	P2-UMT
12242	Loss of power to a P2ZCIM chain causes name duplication to occur	P2-UMT
12481	C-A-D issue. CTRL appears to be pressed while it is not. Right and Left click to do not respond.	P2-UMT, P2CIM-AUSB, P2CIM-APS2
13476	After a period of time successfully switching dual head targets user positions fail to force video of second head to second user station.	P2-UMT
13478	Intermittent loss of mouse and or keyboard on certain servers.	P2-UMT
13479	Report of CIM names appearing black in color.	Determined to be functioning as intended.
13480	Paragon Manager 2.0.2 issue when connecting to UMT's.	Paragon Manager
13649	Locking up of Paragon system including repetitive characters.	P2-UMT, P2CIM-AUSB, P2CIM-APS2
14076	Sometimes the user gets a frozen OSD menu when trying to access channels.	P2-UMT, P2-EUST, P2-EUST/C, P2-UST
15153	P2-EUST/C issue with invoking OSD from local PC mode	P2-EUST/C
15157	Report of no video after powering up local PC	P2-EUST

## Issues That Will Not Be Fixed

#	Description	Affected Component
12279	Rebooting a target server in a PII ZCIM chain causes menu status instabilities and keyboard loss.	Two workarounds are available: A workaround for KB loss is to switch to another channel and then return. If, when rebooting the server, the ZCIM chain generates a new master, refresh every ZCIM channel status.

## Issues Deferred to a Future Update

#	Description	Affected Component
4709/4711/8276	USTIP / IBM P5 issue	USTIP (Fix implemented in 4.4.1, to be tested and verified for release 4.5.)
4869	Network card responded with wrong gateway	P2-UMT
4984	Mac boot command issue	P2CIM-AUSB
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
8903	Report of Mac Mouse roll ball direction is wrong	P2-EUST and P2-EUST/C
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
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.	USTIP
11258	Public View mode issue	P2-UMT
11306	Partial view of OSUI	P2-EUST and P2-EUST/C
11756	Keyboard and mouse issue with IBM x3250	P2CIM-APS2
12126	Keyboard and mouse issue with IBM x3550	P2CIM-APS2
12249	Instances of no Kb/mouse after cold booting with P2CIM-AUSB-C (workaround is to recycle the CIM)	P2CIM-AUSB-C
12842	Report of lost connection after accessing local PC	P2-EUST
13002	P2-UMT stacking unit FW upgrade issue	P2-UMT Stacking Units. Note that no new functionality has been

#	Description	Affected Component
		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.
13287	Report of Paragon Manager application failure	Paragon Manager
14132	"Waiting for Access key sequence" error	TBD
14141	Monitor shift issue	TBD
14514	Blade server access issue	TBD
14647	Reported loss of video on sun targets x4200 (OS RedHat Linux) when text wraps off of screen	TBD
15293	Screen blackout	TBD

### Deferred PCCI Issues

#	Description	Related Components
11367	OSUI wakeup issue.	IP Reach UST EUST
11378	Mouse may stop working smoothly when accessing channels through IP-Reach and UST.	IP Reach UST
11400	Mouse may not synch well with Fedora target and P2CIM-AUSB attached.	IP Reach AUSB-C
11184	After resetting "User Profile," the number of user accounts in PII-SC may not be correct.	PII-SC P2-UMT
11859	May experience substantial time to add/delete devices when over 700 in the database.	CC-SG
11904	PC performance may slow when more than 700 channels.	CC-SG
11698	Problems associating when a power strip is on a tier.	PII-SC P2-UMT
11476	Can't switch between IBMX330 channels remotely through UST-IP.	P2-UMT P2-USTIP
11666	PII-SC may identify IBM-Blade CIM as a power strip.	P2-UMT PII-SC Blade CIM

#	Description	Related Components
11697	Reported instances of target turning black even though it is still connected and powered on	P2-UMT ZCIM
12062	Sleep mode remaining "green".	P2-UMT PII-SC
12187	After refreshing a ZCIM, the power association is not kept.	P2-ZCIM PII-SC
13257	MPC5.0.3 issues when used with USTIP	UMT, Z-Series, P2ZCIM
14141	22" video shift issue	P2-HubPac
15073	Report of switching to an undesired channel in a multi-diamond configuration	UMT

## Special Note

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.