

Paragon II



Features	Benefits
Hardware	
Compact form factors	Paragon II Main Switches come in 1U to 2U form factors and can be rack mounted. The very small form-factor saves expensive rack space and makes it perfect for large data centers where space is at a premium. Reduced form factors minimize electrical consumption by lowering HVAC provisioning needs. Paragon II User Stations double as monitor stands and occupy zero footprint on the desk.
Highly scalable architecture	Paragon II's architecture allows up to 10,000 attached devices to be connected in a single logical deployment.
Stackable expansion unit	Paragon II's stacking unit allows expansion of each switch to attach up to 128 devices per switch with a single cable. Stacking architecture simplifies cabling between 'tiers' by replacing pass through cables with a single expansion cable. These units save in rack space and HVAC costs.
A combination of three types of User Stations can be connected to a Main Switch	Users can choose to use any combination of the three types of User Station while connecting to the Paragon II switches, which are able to differentiate among the Enhanced User Station (EUST), the standard analog User Station (UST) and P2-User Station with integrated IP access (USTIP).
CIM Technology	Computer Interface Modules (CIMs), with "keep-alive" technology, allow users to add, remove and hot-swap components without interruption to the live servers.
Multi-platform CIMs	CIMs are available in USB, Sun and PS/2 for support of various servers and devices in your data center.
P2ZCIM	P2ZCIMs allow users to daisy-chain up to 42 servers on a single chain, occupying only one server port on Paragon II. P2ZCIMs offer a flexible and cost-effective way to expand the Paragon II capability.
AC Power: 110/230V Auto-Switching	Integrated power supply ensures proper power provision and system reliability.
Raritan design with LED Indicators	A new, sophisticated product look, featuring an ergonomic design and new blue LED indicators for clear, easy-to-see power, network activity, and user activity.

Connectivity	
2, 4, 8 or 16 non-blocked users	Paragon II provides 2, 4, 8 or 16 users unblocked access to connected servers using the regular User Station or the Enhanced User Station.
Optional IP access with the P2-USTIP	Optional IP access allows up to two users to remotely access their Paragon II-connected servers from anytime, anywhere via a Web browser.
32, 42 or 64 server ports on Main Switch, expandable to 128 with Stacking Units	Paragon II comes with 32, 42 or 64 server ports on each Main Switching Unit. Some models can be used with Stacking Units and expand to 128 server ports.
Cross-platform and hardware independent	Allows a mix of servers such as Windows, SUN, Compaq, HP and UNIX to be connected to the same switch. Also allows serial devices to be connected with the use of Raritan's AUATC adaptors.
Video Display	
High video resolutions	The Paragon II Enhanced User Station provides resolutions greater than 1600 x 1200 at distances over 213 meters, and 1280 x 1024 at distances up to 304 meters, both at refresh rates of 60Hz, 75Hz and 85Hz.
Manual skew compensation	Users can manually adjust video clarity per server. Settings are saved in the Paragon database to be used the next time the user logs onto the system.
Automatic skew compensation	The new P2CIMs perform automatic skew compensation when used with the enhanced user station (P2-EUST), achieving the best video quality by adjusting for signal loss based on cable distance and varying cable types. Manual skew compensation will continue to be supported by older CIMs, and can be used to override automatic settings in the new CIMs
Power Management	
Integrated power management	Provides a single, consolidated view (and control of) Raritan Remote Power Control Units connected to Paragon II. It automatically displays power strips and Paragon targets on the connected ports. Administrators can monitor status and power on/off/recycle power to remote equipment including servers, remote alarm monitoring, HVAC, and other critical data center equipment.
Management	
Paragon Manager administrative software	GUI software that drastically simplifies management and monitoring of the data center by consolidating administration of attached equipment. With a single view of all connected equipment via the LAN, Paragon Manager lets you manage users by capturing and saving all system events for auditing purposes, push firmware upgrades via the network, associate power outlets to the connected targets and maintain system profiles.
Firmware upgradeability via network connection	Simplifies the upgrading of firmware updates by allowing the administrator to push upgrades out over the network and complete installs from the NOC – saving time and money.
Backward compatibility	Paragon II is compatible with existing Paragon equipment, allowing for investment protection and continued ROI.

Event logging	Paragon Manager will allow you to save and store system events to an appropriate text file.
Raritan CommandCenter Secure Gateway integration through the Paragon II System Controller	Multiple Paragon II switches can be managed centrally and seamlessly through Paragon II System Controller (P2-SC) and CommandCenter Secure Gateway (CC-SG). CommandCenter Secure Gateway provides a single sign-on for a consolidated view, and BIOS-level, click-and-control access to all servers and IT devices in the data center, reducing incident response time.
Usability Features	
Ghosting	Saves users valuable configuration time by reusing the existing CIM channel name when CIMs are disconnected from the servers. Disabling ghosting enables a clean record in deployments where components are relocated frequently, allowing users greater freedom and flexibility.
System-wide reset from the analog User Station	Allows users to perform a system-wide reset of an entire matrix or a specific UMT from the analog user station without going to each switch to reset.
Screen saver	In addition to the already supported Green Mode feature, a screen saver feature is provided.
Video Redirect	Allows administrators to redirect a server's video signals from one user station to another, making Paragon II ideal for use in the NOC or training centers.
Pinnacle Fast Action Keyboard support	Enables the use of Pinnacle FAK in broadcast production and post-production facilities.