Data Centre Solutions

Airflow Management

19” Cabinets

Server, Power & Environment Management

LAN & Console Furniture

Lifts & Crash Carts

Media Storage & Labels

Structured Cable Protection

Records Management Solutions

Your Priority is Our Priority
KoldLok Raised-Floor Grommets

With today’s servers generating more heat output, keeping the data centre cool and operating efficiently is a major consideration. These heat generating servers are often packed into smaller footprints that require more cooling capacity. Additional cooling capacity typically comes from adding more cooling units, which is expensive. A better solution is to reclaim lost cooling capacity before adding more. This can be achieved by sealing unmanaged openings that are wasting cold air and ensuring cold air is directed to where it is needed most: **Cooling Your Servers.**

Poorly cooled data centres often suffer from hotspots that can lead to equipment failure. Also, cooling equipment may not be working as efficiently as it could. KoldLok offer a range of specially designed raised-floor grommets to seal cutouts within the raised-floor and stop cold air from escaping, whilst still allowing cables to pass through. The KoldLok raised-floor grommets are static dissipative and prevent static discharges being carried up the cables. By sealing cutouts within the raised-floor, cooling of the data centre environment is drastically improved.

Cooling in the data centre can be made more efficient by:

- Sealing all unnecessary air escape routes. This will increase under-floor static pressure and reduce bypass air.
- Removing any perforated tiles that are in the hot aisle. Having perforated tiles in hot aisles reduces the effectiveness of the cooling units due to latent cooling.
- Latent cooling also causes a reduction in the humidity within the data centre, which in turn can affect the performance of your servers, which may require you to continually re-humidify.
- Switching to a proper Hot Aisle/Cold Aisle configuration with sufficient underfloor pressure and minimal bypass air will maximise the room’s cooling efficiency. It will also reduce the risk of hot exhaust air from one cabinet flowing into the air intake of adjacent cabinets.

**By sealing each cable cutout you will save about 2kW of cooling.**

**Cost-effective benefits of KoldLok Grommets:**

- Increases existing cooling unit capacity
- Reduces the need to purchase additional cooling units
- Improves equipment reliability and extends equipment life
- Increases static pressure under the raised floor and improves cool air delivery through perforated tiles or floor grates
- Facilitates Cold Aisle/Hot Aisle best practices

“**We have looked and looked for a solution like KoldLok. If KoldLok had been around 10 years ago, we probably would not have needed to add a cooling unit back then. It improves the efficiency of our cooling system a great deal.**”

Doug Becker, IT Operations Supervisor, Cargill IT Services, Global Hosting Service

“**As we have closed cable openings with KoldLok Grommets, temperatures have gone down by nearly 10°F and demand on our air handlers has dropped. Where we have implemented KoldLok, we have probably cut bypass airflow in half.**”

Data Center Technician
Major Semiconductor Manufacturer

“**We have standardized with KoldLok as we have reconfigured our data center. It has allowed us to better cool the environment and postpone for a year a major overhaul of our cooling system. The 19% increase in airflow and five-degree temperature drop we achieved really made a difference.**”

Dave Ellis, Assistant Director, Information Management for Facilities Management and Engineering
Vanderbilt University Medical Center
KoldLok Raised-Floor Grommet Product Line

46-1000-1010
**Integral KoldLok** (for New Cut-outs)
- Usable Cable Opening 203mm x 102mm (8” x 4”)
- Centre Tile Cut-out Dimension 235mm x 172mm (9¼” x 6¾”)
- Long Edge Tile Cut-out Dimension 235mm x 191mm (9¼” x 7½”)

46-1000-3030
**Integral Split KoldLok** (for New Cut-outs)
- Usable Cable Opening 203mm x 102mm (8” x 4”)
- Centre Tile Cut-out Dimension 235mm x 172mm (9¼” x 6¾”)
- Long Edge Tile Cut-out Dimension 235mm x 191mm (9¼” x 7½”)

46-1000-10052
**Mini KoldLok** (with static dissipation feature)
46-1000-10077
**Mini KoldLok** (without static dissipation feature)
- Seals Openings up to 102mm x 152mm (4” x 6”)
- Usable Cable Opening 64mm x 127mm (2½” x 5”)

46-2000-2020
**Surface KoldLok** (for Existing Cut-outs)
- Seals Openings up to 254mm x 184mm (10” x 7¼”)
- Usable Cable Opening 210mm x 102mm (8¼” x 4”)

46-2000-2030
**Surface L KoldLok** (for Existing Cut-outs)
- Seals Openings up to 254mm x 248mm (10” x 9¾”)
- Usable Cable Opening 210mm x 102mm (8¼” x 4”)

46-2000-2040
**Surface XL KoldLok** (for Existing Cut-outs)
- Seals Openings up to 254mm x 330mm (10” x 13")
- Usable Cable Opening 210mm x 102mm (8¼” x 4”)

46-4000-10012
**Extended KoldLok with 76mm (3") Filament** (for Large Cut-outs)
- Seals Openings up to 610mm x 102mm (24” x 4”)
- Usable Cable Opening 559mm x 64mm (22” x 2½”)

46-4000-10013
**Extended KoldLok with 152mm (6") Filament** (for Large Cut-outs)
- Seals Openings up to 610mm x 178mm (24” x 7”)
- Usable Cable Opening 559mm x 140mm (22” x 5½”)
The HotLok® Blanking Panel is Upsite’s latest cost-effective green solution for energy consumption savings and carbon footprint reduction in data centers. It is a next-generation, patent-pending blanking panel that provides a 99+ percent effective seal for both 1U and 2U openings in IT equipment cabinets.

Both 1U and 2U versions, with or without a mounted Upsite™ Temperature Strip, help control hotspots and bypass airflow for optimized cooling effectiveness by preventing hot exhaust air or hot-aisle air from migrating to the air-intake stream at the front of the cabinet. Depending on placement in the cabinet, HotLok Blanking Panels help deliver more cool air to the upper one-third of the cabinet, which is typically the hottest section and most prone to hotspots and equipment reliability problems.

The lightweight plastic unit is ergonomically designed to facilitate fast, easy, safe, tool-free installation and removal. Snap the Blanking Panel into any 19-inch EIA-310-E standard rack opening using the ample, inboard finger grips, designed to prevent injury to fingernails and knuckles. Removal is just as simple.

HotLok Blanking Panels can be used in most cabinets with the following mounting rail openings:
- Square 9.5mm – 3/8th
- Round M5 or 10-32
- Round M6 or 12-24

The Blanking Panels neatly stack 10 high (for 1U openings) and 20 high (for 2U openings) anywhere in the server room, making them readily available for rapid equipment reconfiguration and eliminating the need for particulate-emitting storage containers.

The energy-efficient cantilevered sealing vanes eliminate the gap between adjoining HotLok Blanking Panels or with installed equipment, providing a snug seal and no air leaks.

Priced competitively against available blanking plates, HotLok Blanking Panels offer a cost-effective airflow control solution. Tool-free installation and removal saves on labour costs and energy costs.

All HotLok Blanking Panels are fire-retardant, made of 100 percent recyclable ABS plastic, and RoHS compliant.
PlenaFill Blanking Panels

PlenaFill™

“27U Scalable blanking panel that is quick to install”

Good practice in the datacentre requires that unused U space is sealed to prevent hot exhaust air from finding its way to the air intake area at the front of the cabinet. PlenaFill™ Blanking panels are supplied in 27U sheets and can be cut to any required size, avoiding the need to store several sizes of traditional blanking panel. PlenaFill™ is a proven solution to eliminate Hot Spots and reduce overall cabinet temperatures.

- Pack of 10 PlenaFill™ Blanking panels equals 270 1.75” (44mm) rack mount U’s
- Fits all 19” EIA server racks
- Fire rated material: ULVO class 94
- Quickly and Easily fill large sections of un-occupied rack space, stopping by-pass air flow
- No more guessing at how many blanking panels are needed
- Scalable / Less Storage Space / Less Freight Cost
- Installs in seconds - no tools required!

PlenaFill™

Part Number: 49-PF-27U-10
Includes: 10 PlenaFill™ Blanking panels
Dimension: 47.25” x 19.25” x .040”
1200mm x 489mm x 1mm
Weight: Approx. 1.40lbs (0.63Kg) each

Total shipping weight per pack of 10 = 17.5lbs (8Kgs)

49-PF-27U-10 does not include any attachment fastners, which should be ordered additionally.

Server rack manufacturer EIA rail types vary:
Square hole, Round hole, 10/32 threaded, etc.

For a quick tool-less installation the following parts may be ordered separately:

49-PF-PT:
PlenaTool rivet remover designed for removing 49-PF-BR

49-PF-BR:
Pack of 50 Black Snap Rivets for square hole rails.
Example of server racks with square hole EIA rails: EDP, SMC, TigerShark, Rittal, USpace, Wright Line, Chatsworth

49-PF-RR:
Pack of 50 Natural Screw Rivets for round hole rails.
Example of server racks with round hole EIA rails: IBM, SUN

49-PF-TR:
Pack of 50 Thumb Screws for 10/32 threaded rails 3/8” (10mm)
Examples: SharkRack Series 2
PLENAFORM®

“gets the air where it’s needed,
and blocks it where it’s not.”

PLENAFORM® is a flexible, snap together, air flow baffle system which helps to solve dynamic thermal imbalances in data centers.

PLENAFORM® is scored both vertically and horizontally so sections can be removed or added onto to meet any height or width requirement. All angles of bend radius may be attained, including inside and outside mounting to raised floor pedestals.

Continuous punch out hole pattern allows attachment to any style raised floor pedestal at any height or width location with cable ties.

PLENAFORM® is die cut from a flame retardant polypropylene compound that is inert, non-conductive, and non-hygroscopic.

Today’s high density server farms are requiring more power and cooling than ever before. The Data Centre evolution of all air-cooled environment has become a real challenge for facility managers to deal with these heat related issues, cooling inefficiencies and increased server densities. The challenge facility managers face is how to get the air that is beneath a raised floor through the perforated tiles and into the front intakes of rack mounted, vertically integrated server housings that are producing the heat.

PLENAFORM® is a passive and contributory holistic solution that can be easily installed as an effective “VUF” or vertical under floor partitioning system, to direct airflow within the plenum space. PLENAFORM® directs the source of the cold air from the CRAC units to where the air is needed.

Velocity is the time rate of motion, therefore velocity pressure is the pressure caused by air in motion. When air from a CRAC unit is forced through a partitioned airflow space, static pressure is created. Without dedicated partitioning, as the air moves further away from a CRAC unit, the air velocity decreases. To maintain velocity pressure to particular ‘hot zones’, PLENAFORM® helps to maintain the static pressure further away from a CRAC unit and is a simple solution to cool thermal hot spots in information technology equipment centers.

It is of utmost importance for today’s Data Centre facility manager and design engineer to develop a master plan when laying out equipment in relationship to the CRAC placements. The ideal objective should be to create un-obstructed dedicated air flow paths to the equipment. Open floor penetrations must also be sealed to manage air flow more effectively.

Easy to Install - Right Out of the Box!

- Control and Balance Data Center Airflow
- Separate Hot Aisles from Cold Aisles
- No Installation Tools Required
- On-Site Configurable (Width and Height)
- Fits ANY Raised Floor Pedestal
- Reduces Energy Consumption and Operating Costs
- An Inert, Non-Conductive and Non-Hygroscopic Material
- Flammability rating of UL V-0 per UL94
- RoHS and WEEE Compliant
- An Energy Saving and Thermal Tuning Tool
**HotSpotr Air Tile / Cold Aisle Containment**

**HotSpotr Air Tile**

Proper airflow distribution is the key to providing cooling to ever higher density server racks. Failure to deliver enough cooling air to rack intakes causes recirculation of hot air and overheating of servers. Under floor obstructions such as pipes, cabling, cable trays etc. cause low static pressure and reduced flow from some perforated tiles and grates. Racks placed too close or too far away from CRAC units also face issues with low and even negative static pressure. The result is many Data Centres are overcooled just to manage a few hot spots. HotSpotr products are designed to solving hot spots in Data Centres caused by poor airflow distribution, easily and effectively.

**Features**

- Underfloor air mover to deliver cold air to server racks
- Consists of a redundant matrix of high performance DC fans that are controlled by an intelligent thermostatic controller
- Thermostat maintains selectable temperatures
- Supports 10-12Kw racks
- Mounts directly to popular grates
- Adaptors for all 24” and 600mm floor and tile types
- VFD control of fan speed
- EPO option
- Certified to IEC-60950-1
- Operates in two modes: Stand Alone or in networked “Room Scale Intelligent Cooling” mode where several tiles can be networked to a central controller to manage the entrie room.

**Cold Aisle Containment**

Cold Aisle Containment creates a corridor that is fully enclosed to maximise the efficient use of cold air. stableAir Cold Aisle Containment includes transparent ceiling panels that optimise LUX levels and, at the end of the aisle, self-closing, robust sliding doors.

The cabinets within the aisle don’t even need to be the same height or width, as the system can be adapted to accommodate this.

**Features**

- Light weight roof panels that can be easily demounted to allow access to the top of the cabinet or facilities above the cabinet.
- Roof panels have a high light transmission.
- Fire protection options available that release the roof panels at 58°C (+/- 2°C) and allow sprinklers to distribute water.
- Gas protection system available, where panels are increased in weight and a rubber seal prevents gas leakage, allowing the gas to reduce the oxygen and extinguish the fire.
- Doors are self closing and are supported on a top and bottom guide system.
- No aisle entry floor level obstruction

**Optional Extras**

Security locks range from stand alone to fully integrated building management systems, giving you access control. Systems include:

- HID Swipe Cards
- Key Pad
- Keyed Lock

Monitoring the room’s temperature is a priority when trying to control the Data Centre environment, with the majority of failures associated to temperature and humidity. For this reason temperature and humidity sensors, amongst others, are available to monitor the environment and send warning alerts when thresholds are met.
USystems 19” Cabinets

USpace cabinets, from USystems, offer an intelligent and innovative design that is aesthetically distinctive. Built around a “tough torque” construction that makes the cabinet extremely strong, its open structure design and purpose designed cable management provides easy access. With a host of sizes, finishes and accessories the USpace range fulfills all your cabinet requirements.

Server Cabinets

- Heights: 12, 18, 24, 30, 42 and 48U
- Sizes (w x d): 600mm x 1000mm / 800mm x 1000mm
- Supplied With: Lockable Perforated Steel Front & Rear Doors
- 91-01025 42U 600mm x 1000mm Cabinet
- 91-01027 42U 800mm x 1000mm Cabinet
- 91-01093 19” Mounting Angles (per pair)*

* One pair required per cabinet

Accessories

- Standard Fixed Shelves
- Heavy Duty Fixed Shelves
- Standard Telescopic Shelves
- Heavy Duty Telescopic Shelves
- Cantilever Shelves
- Rotatable Keyboard Shelves
- Chassis Runners
- Cable Management Jumper Rings
- Jumper Ring Panels 1U & 2U x 4 Rings
- Cable Tray 75, 150 & 300mm Wide
- 19” Mounting Angles (2U to 48U)
- Roof Mounted Fantrays
- 19” Rack Mounted Fantrays
- Heavy Duty Castors (set of 4)
- Levelling Feet
- Plinths - Plain or with Brush Strip
- Extendable Plinth
- Cage Nuts & Fixings
- Blanking Plates
- Baying Kits
- Power Distribution Units
- Horizontal & Vertical - 4 to 15 outlet.

Comms Cabinets

- Heights: 12, 18, 24, 30, 36, 42 and 48U
- Sizes (w x d): 600mm x 600mm / 600mm x 800mm
- 800mm x 600mm / 800mm x 800mm
- Supplied With: Lockable Glass Front Door
- 91-01013 42U 600mm x 800mm Cabinet
- 91-01015 42U 800mm x 800mm Cabinet
- 91-01093 19” Mounting Angles (per pair)*

* One pair required per cabinet

AirTech Plus Front Door Option

Increases Cabinet Airflow to 81%
UCoustic Sound Proof Cabinets

The UCoustic family of enclosures has been designed to be more than just a state of the art sound proof cabinet; it’s also a state of the art, all round communications unit.

The combination of record breaking noise attenuation and thermal dissipation performance ensures the UCoustic™ family is a world class leader in its field. For the uninitiated, 28.5dBA is a massive noise reduction to achieve from a 19" Enclosure and, to achieve this, UCoustic cabinets utilise state of the art technology and include the latest, most effective acoustic materials available.

This amazing noise reduction has been achieved without compromise to cooling the active equipment housed within. In fact the UCoustic™ 9210 not only out performs all other 19” enclosures in noise reduction but also in thermal capacity by achieving a staggering 7.2kw of heat dissipation.

UCoustic 9210 Features
- Available in three heights - 12U, 24U and 42U, 780mm wide x 1100mm deep
- Two variants Active or Passive - Active is designed to deal with higher heat loads and features Active rear doors that come with variable-speed controlled fans and temperature sensor
- Passive wardrobe front doors on both variants
- 19” Mounting angles front and rear
- Front and rear infills
- Cable entry via base of cabinet and cable entry acoustic foam block
- Optional dust ingress protection
- Cladding can be easily removed
- Load bearing castors

UCoustic 8250 Wall Box Features
- 12U 780mm wide x 700mm deep frame
- Passive front doors with active rear doors that feature fan speed control and temperature sensor
- 19” Mounting angles front and rear
- Front infill
- Two cable entry options
- Optional dust ingress protection
- Cladding can be easily removed
- Fits via quick fit hanging panel
Data Centres are the powerhouse of today’s global economy. Without modern computing power applied to all facets of today’s advanced economies, the quality of life would be very different.

However great the benefits, it is an unfortunate fact that today’s data centres are highly inefficient in their use of energy and their subsequent effect on the global climate.

ColdLogik™ replaces the traditional approach to Data Centre cooling, allowing loads of up to 45kW per cabinet, with the added benefit of removing real estate problems inherent with hot aisle / cold aisle and aisle containment designs.

The waste heat generated by equipment within the cabinets is removed at source by water cooling, without the risk of leakage in the Data Centre by its patent pending leak prevention system.

ColdLogik™ allows cooling water temperatures to rise from the traditional 6°C, reducing chiller size and energy costs, and increasing the availability of energy efficient ‘free cooling’. In fact ColdLogik™ is the only system that can accept water temperatures at 14°C and up to 22°C and achieve heat dissipation of up to 45kW per cabinet.

**ColdLogik™ Features**
- Up to 45kW sensible cooling per 600mm & 800mm wide cabinet
- Up to 90% energy saving
- The only water cooled solution with the patent pending Leak Prevention System
- Energy efficient ‘ColdLogik™ Management System’ that allows the doors to operate individually or as a system that maintains the room at the correct temperature, even with external heat loads, and eliminates the risk of condensation
- Retro-fit capability to any already installed OEM rack
- Built in redundancy
- Condensate free operation
- Modular and scalable
- Two standard heights 42U & 48U in two widths of 600mm and 800mm

**ColdLogik™ - How it Works**
1. Chilled water is provided by a free cooling module, chiller, or a combination of both.
2. The resulting chilled water is pumped through the pipework by the patent pending Leak Prevention System
3. Chilled water is then drawn through each rear door cooler. The waste heat from the active equipment housed within the cabinets is redirected to a heat exchanger matrix. The net result is that the exhaust air returning back into the room is at ambient temperature and therefore has no impact upon the interior of the data centre
4. The ColdLogik™ System Controllers’ continually monitor the ‘air off’ temperatures and the returning water temperature. This in turn regulates the rear door cooler fan speeds, the inlet water temperature and volume

**ColdLogik™ - Leak Prevention System**
The new patent pending Leak Prevention System is another ColdLogik initiative. By putting the Data Centre loop, including the rear door coolers, on a negative pressure circuit, the whole Data Centre is safe from potential leaks in places where it can be least afforded. In the unlikely event of a coupling coming loose or a hole being drilled into a pipe, air would be pulled into the gap/hole, thereby preventing water from escaping. The resulting air in the circuit is drawn through to a tank inside or outside the chiller, where it is finally vented out of the system and prevented from continuing back around the loop. Inline sensors detect a leak and provide a warning, alerting the user to the problem. Importantly the ColdLogik system will continue to work, with no notable effect to its cooling capabilities. As with all aspects of the ColdLogik system the ‘LPS’ can be retrofitted to an existing circuit, is modular in design and therefore scalable so, as your Data Centre grows, so can ColdLogik.
The modular configuration and scalability of the climate control innovation, Rittal Liquid Cooling Package (LCP), help to minimise investment costs and maximise investment confidence, while providing sufficient scope for future extensions. The result? Solutions that are geared to your specific requirements, which may be rapidly supplemented or replaced as your needs change.

The Liquid Cooling Package family allows Data Centres to be extended in a temperature-neutral way, without the need for room changes. As a climate control enclosure on the side panel of a server rack, LCP Standard and LCP Plus solve the problem of high power losses for each rack. LCP Extend helps to ease the pressure on the room’s existing climate control system by providing additional useful cooling output. The latest dimension in high-performance cooling is the Data Centre solution LCP Plus, with a useful cooling output of up to 30kW per rack.

The main benefits to the user are the even distribution of cold air in front of the 19” level, full accessibility, and optional cooling of one or two server racks with an LCP Standard or Plus. Thanks to the rack-optimised design, the air/water heat exchanger is easily integrated into existing infrastructures. Its modular design helps to keep investment to the level currently required.

**LCP Extend - Up to 12kW of Cooling**
To support existing air-conditioning systems, Rittal now offers liquid based cooling systems for retrofitting on server racks. The LCP unit is based on an air/water heat exchanger technology and solves the problem of high heat losses of up to 10kW per rack. The hot air, dissipated towards the rear by the servers, is forced through the air/water heat exchanger by fan units and then expelled.

**LCP Standard - Up to 20kW of Cooling**
The LCP Standard is installed as a climate control enclosure at the side of the server rack. It solves the problem of high heat losses with a scalable cooling system based on air/water heat exchangers. The enclosure houses one, two or three air/water heat exchangers with cooling capacities of 4kW each. The full configuration delivers a standard cooling capacity of 12kW - with options to raise this up to 20kW. The cold air is introduced laterally in front of each server row.

**LCP Plus - Up to 30kW of Cooling**
LCP Plus solves the problem of high power dissipation of up to 30kW per rack. It is fitted as an environmentally controlled chamber on the side of a server rack. Major advantages to the user are the even distribution of the chilled air in front of the 19” level, complete accessibility and cooling, of either one or two server racks. The cold air is blown in horizontally - directly in front of the rows of servers - and ensures smooth thermal conditions.
Rittal 19” Cabinets

TE7000 Server Rack

Creative interpretation of standards produces technology with clear-cut benefits. Two 482.6 mm (19”) mounting levels in the multifunctional section create a solid framework. Load capacity 400Kg!

Features & Benefits Include:

- Cable entry via the roof and base enables more choice for cabling infrastructure
- Transport castors make siting of racks quick and easy
- Frameless construction provides optimum accessibility and maximum use of interior space
- 2 point locking system provides excellent security
- Bolt together construction facilitates rapid assembly / disassembly

TE7000 Networking Rack

Features & Benefits Include:

- Bolt together construction facilitates rapid assembly / disassembly
- Outstanding cable management thanks to no impeding corner posts
- No corner posts enhance cross cabinet patching
- Fan trays can be easily retrofitted without the need to remove internal equipment
- Transport castors make siting of racks quick and easy
- Leveling feet serve to compensate for floor irregularities
- Matching premium accessories for rapid installation in the delivered state

TS8 Racks

The TS8 racks are designed specifically for the data centre where styling and functionality are of equal importance.

The symmetrical design allows very flexible installation and siting variants - including diagonal if so wished! The welded construction with innovative 16-fold profiled frame sections and two mounting levels makes the TS 8 enclosures not only lighter but also 30 percent more stable than comparable previous models.
Raritan’s Dominion PX remote power management devices provide IT administrators with a solution to securely reboot and power on/off servers and other network devices from a remote location.

In addition, users can monitor power usage down to the outlet level, enabling highly accurate power metering. The Dominion PX can be used as a standalone unit or integrated with Raritan access solutions. The PX offers flexible and secure access, as well as user-configurable power sequencing. There are also environmental monitoring options available.

Models include a 1U 8 outlet 16 Amp unit, a 12 outlet vertical Zero U 16 Amp strip and 20 outlets in both vertical Zero U and horizontal 2U 16 or 32 Amp formats.

Power IQ, Raritan’s Intelligent Power Management solution, allows you to manage your rack PDUs through a single web interface.

Power IQ simplifies the management of, and data collection for, multiple rack PDUs and helps IT and facilities managers improve Data Centre availability, enhance capacity planning and improve energy efficiency. Power IQ provides for accurate IT-device, outlet group, rack, branch circuit and data centre-level power, current, voltage, temperature and humidity monitoring, as well as remote outlet switching.

Power IQ simplifies Dominion PX configuration and firmware management. Security is ensured with management of standards-based authentication, web session timeout and IP-based access control. It manages any number of Raritan’s Dominion PX and third-party PDUs. The system is open database compliant (ODBC) and can be integrated with your current data warehouse and enterprise reporting system. Power IQ is available in two platforms: either as a VMWare Virtual Appliance or as a Raritan Hardware Appliance.

Features & Benefits
- Power IQ allows you to accurately monitor and measure key power data.
- Provides you with valuable information to efficiently utilise energy usage.
- Security is ensured via LDAP/AD integration and AES encryption up to 256 bits.
- Easier bulk configuration and firmware management of Raritan’s Dominion PX.
- Multivendor power data aggregation.
- Reporting via standard trending and status reports, as well as ODBC connectivity to your existing data warehouse and reporting systems to generate custom reports.
Dataprobe Remote Power / IEC-Lock Cables

iBoot

The iBoot from Dataprobe provides single outlet remote power control. Easy to install and even easier to access, simply point your web browser to iBoot’s IP address, enter a valid user name and password and with one click, power on, off or cycle the power to the connected equipment.

iBoot uses international standard IEC320 Connections and is autosensing for worldwide use. It also has the unique Auto-Ping feature which allows iBoot to monitor any IP device on the network and take automatic action whenever the device is down.

iBootBar

The iBootBar from Dataprobe is ideal for managing multiple devices, offering all the power control of the iBoot and more. Control each outlet from the Web or via Telnet. Have network access plus out-of-band control via serial port and via the optional internal modem with both data and DTMF tone dial control. Wherever you are, you have complete control.

iBootBar is available with single or dual power inlets and with and without built-in modem. The dual power unit is ideal for remote power control of devices with redundant power supplies. Outlets can be grouped together in order to control multiple outlets with a single click of the mouse. iBootBar continuously monitors the current draw from its outlets and reports user settable high and low current alarms. Alarms are delivered by both email and SNMP traps.

Expansion ports allow for future development of daisy-chaining and environmental monitoring.

IEC-Lock

IEC-Lock is a range of specially designed locking IEC C13 power leads that provide a simple way of securing a power lead to any electrical appliance that uses an IEC type mains lead.

The unique female C13 connector connects to the electrical device in the same way as any other IEC lead. Once fitted the special, yet simple, locking mechanism ensures that the lead cannot be accidently disconnected. If the lead needs to be removed the lock is released by pulling back the red tab.

Features

- Protection of computer equipment and servers from accidental disconnection helping to protect valuable data
- Ideal for protecting appliances that are vulnerable to vibration where standard connectors may become accidentally disconnected
- Suitable for various Data Communications applications that require a secure power source
- Unique ‘Patented’ Female C13 connector ‘IEC-Lock’

- Suitable for use with any standard IEC inlet
- IEC-Lock available to UK Plug, European Schuko Plug, C14 Plug and bare-end
- Loose coiled to avoid permanent kinks and ensure tidy installation
- IEC-Lock moulded leads are currently available with cable lengths to bare-ends with variable colour options enabling a number of custom options / various re-wireable plugs to be fitted
Standard Power Bars

Austin Hughes have a range of standard UK 3 pin outlet power bars in horizontal or vertical formats with various plug options:

- 7 way Rackmount (horizontal) with 13A UK Plug or IEC320 C20
- Vertical power bars with 8, 10 or 13 outlets that are angled at 45° or 135°
- Vertical power bars are available with 13A UK Plug, IEC320 C20, 16A or 32A 60309 Commando plug or bare end

Intelligent Monitoring & Switchable Power Bars

Austin Hughes intelligent InfraPower® power bars are available in two series: MT and MTS.

MT Series
The MT Series is an intelligent monitoring PDU that features a RMS current meter that displays the total consumption of equipment connected to the PDU. This allows network managers to establish the remaining capacity prior to adding more equipment. The Monitoring PDUs are available in IEC or 3 pin UK formats with 12, 16 or 20 outlets. The 3 pin and IEC C13 strips are available with 16A or 32A 60309 Commando plugs, IEC 320 C20 or bare end terminations, whilst an IEC C13 / C19 bar is available with 32A 60309 Commando plug.

MTS Series
The MTS Series provides the same level of monitoring as the MT Series but is also switchable, allowing remote outlet control, cycling individual outlets on and off. The MTS Series is only available with IEC C13 outlets.

The InfraPower® PDU solutions are designed to support daisy chain connections, allowing up to 16 PDUs to be cascaded via CAT6 cable. The PDUs can be enhanced further by the addition of the hot pluggable IP-dongle that allows the PDUs to be accessed over IP. The PDUs can also be controlled via the serial interface of any of Austin Hughes’ IP KVM switches or via a direct serial connection between the PDU and an administrating PC.

For extra protection the PDUs can be fitted with the optional UL listed hydraulic magnetic load-sensing and time delay circuit breaker, that helps avoid nuisance tripping.

IP Power 9258

The IP 9258 provides four IEC outlets that can be controlled over TCP/IP network with a generic Ethernet or Web browser without any software skill. Each independent outlet can be switched ON, OFF or Booted (OFF- delay-ON). The IP9258 can supply a maximum of up to 7A/250VAC or 10A/120VAC Power. Uses standard IEC 320 Inlet/Outlet connectors that make it easy to use anywhere in the world.

Main features of IP Power 9258:
- Remotely reboot the attached server or other IEC equipment.
- Accessed via standard web browser
- Timer Power Switch - schedule time for power to be turned on / off
- SNMP support
### RKP Series

**Features & Benefits**
- 1U rackmount KVM drawer with either 15", 17" or 19" SAMSUNG LCD
- Either PS/2 or USB input to the LCD drawer by cable selection
- Multiple keyboard languages with either touchpad or trackball mouse
- Slide rails with fixed positions to prevent drawer movement when typing
- Multi-lingual on-screen display menu
- Cost efficient DB15 KVM switch integration, with either 8 or 16 ports
- High density Cat5 KVM with either 16 or 32 ports in 1U of rack space
- Mix PS/2, USB and SUN with Multi-Platform switch capability
- Secure remote user access across the world wide web
- Enhanced aesthetics with new moulded front panel & two point lock

### N Series

**Features & Benefits**
- 1U rackmount drawer with either 17" or 19" SAMSUNG LCD
- Either PS/2 or USB input to the LCD drawer by cable selection
- Multiple keyboard languages with either touchpad or trackball mouse
- Slide rails with fixed positions to prevent drawer movement when typing
- Multi-lingual on-screen display menu
- Cost efficient 8 or 16 port DB15 KVM integration
- High density Cat5 KVM with either 16 or 32 ports in 1U of rack space
- Single or ‘One Man’ Installation slides for easy, quick installation
- 104 key notepad keyboard with full numerical pad
- Mix PS/2, USB and SUN with Multi-Platform switch capability
- Secure remote user access across the world wide web
- Sun version (NS series) available with extra Sun function keys

### W Series

**Features & Benefits**
- 1U rackmount 19" widescreen LCD with high resolution 1440 x 900
- Combo interface with either PS/2 or USB connection
- Multiple keyboard languages with either touchpad or trackball mouse
- Cost efficient Combo KVM integration
- Multi-user Matrix KVM option with either 16 or 32 ports in 1U
- Mix PS/2, USB & Sun with Multi-Platform switch capability
- Sun version (WS series) available with extra Sun function keys

### RK Keyboard Drawer

**Features & Benefits**
- Short depth design of 370mm (14.6”)
- Lockable keyboard drawer to secure keyboard and mouse access
- Either PS/2 or USB input to the LCD drawer by cable selection
- Multiple keyboard languages with either touchpad or trackball mouse
- Slide rails with fixed positions to prevent drawer movement when typing
CV Series

Features & Benefits
- PS/2 DB-15 KVM with 4, 8 or 16 ports in 1U
- Mix PS/2, USB & Sun with Multi-Platform switch capability
- Low cost reliable PS/2 based server management
- No software or drivers required, quick & easy to install
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

CV-S Series

Features & Benefits
- Combo USB DB-15 KVM with 8 or 16 ports in 1U
- Mix PS/2, USB & Sun with Multi-Platform switch capability
- Cascade switches up to 8 levels.
- Support native Sun 1152 x 900 resolution
- Hot pluggable, no software or drivers required, quick & easy to install
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

Matrix Series

Features & Benefits
- Efficient system management with simultaneous multi-user access
- Capable of connecting 16 or 32 servers per device in 1U
- Supports DVI-USB, VGA-USB & VGA/PS/2 server interface
- Increased distance of 40m between your server & KVM switch
- Enhanced CAT6 cable management with remote access over 300m
- Allows a diversity of consoles to access servers independently and simultaneously
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

Matrix IP Series

Features & Benefits
- Secure IP remote user access across the world wide web
- Efficient system management with simultaneous multi-user access
- Capable of connecting 16 or 32 servers per device in 1U
- Supports DVI-USB, VGA-USB & VGA/PS/2 server interface
- Increased distance of 40m between your server & KVM switch
- Enhanced CAT6 cable management with remote access over 300m
- Allows a diversity of consoles to access servers independently and simultaneously
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

IP-101 IP KVM Extender

Features & Benefits
- IP Remote access from any location via web browser
- Compatible with all branded KVM switches
- Maintaining servers across the world up to BIOS level
Dominion® KX II

Dominion KX II is a next-generation, enterprise-class, KVM-over-IP switch that raises the bar with standard features that maximize performance, security, reliability and productivity. A plug-and-play appliance, the KX II is completely self-contained and installs in minutes. And when integrated with Raritan’s CommandCenter® Secure Gateway, a centralised management appliance, this powerful solution provides single-view, enterprise-wide control.

Key Features Include:
- Universal Virtual Media – install software, transfer files and back up data remotely
- Absolute Mouse Synchronization™ – reduces installation time and sets new standards for mouse synchronization
- Dual power and dual gigabit Ethernet with automatic failover
- The highest remote video resolution in the industry – 1600 x 1200
- 128-bit SSL AES or RC4 encryption
- Virtual KVM Desktop™ – a common browser-based user interface that supports the industry’s widest range of operating systems and browsers
- The industry’s first and only browser-based local access
- Dominion KX II gives up to four remote users access and control of as many as 64 servers. With the highest port density in the industry, users can manage more servers with 50% to 75% fewer switches, IP addresses and network drops
- KXII-101 provides single user, single server access to mission critical servers.

Dominion® SX

Dominion SX allows IT professionals to access, monitor and control all their serial devices securely, anytime, from anywhere. Easy to install, the Dominion SX provides one point of control to manage a wide range of servers and IT devices.

Dominion® KSX II

Dominion KSX II is an integrated hardware based solution that offers secure, remote, out-of-band access and power control of servers and other IT devices over IP. Available in two models which will control 4 servers and 4 serial devices or 8 servers and 8 serial devices, as well as separate ports to control power via Raritan’s PX remote PDUs. The KSX II is an ideal solution for organisations with multiple offices or limited IT staff. Like the KX II the KSX II features virtual media capabilities and allows total management of remote offices.

CommandCenter® Secure Gateway

The CommandCenter Secure Gateway consolidates the management of Raritan’s Dominion series, Paragon and IP-Reach appliances, and all the attached servers and other devices. With CommandCenter Secure Gateway, a single sign-on to a single interface gives IT administrators a consolidated view, click-and-control access and BIOS-level control, whether they’re at the rack, their desks, the network operations centre or from anywhere in the world.
Paragon II offers a Cat5 stackable KVM solution with integrated IP access. Paragon II uses proven Paragon analogue technology with stacking but now has optional integrated KVM over IP access to give superior management capabilities.

Paragon II’s stacking capabilities allow you to stack up to 128 ports per switch and add up to 10,000 ports via multi-dimensional expansion. Paragon II distributes KVM switching and control functions across modular, intelligent components.

**Paragon II Components**

- Paragon II Main Switching Unit
- Paragon II Stacking Unit
- User Station
- User Station with Integrated IP Access
- Computer Interface Modules

**MasterConsole™ CAT**

The MasterConsole™ CAT allows management of servers with a simple yet fully featured CAT5 KVM Switch. Available in 8 or 16 port models which can be cascaded to control up to 256 servers at distances of up to 45m. The switch works with leading servers and uses CAT5/6 cables, saving space and allowing easier cabling. Servers can be selected from both front panel buttons or via OSD menus.

**MasterConsole™ IP**

The MasterConsole™ IP is a fully-featured, easy-to-use KVM switch for the small to mid-sized business. Providing BIOS level control of up to 8 or 16 servers from a single keyboard, monitor and mouse, it also brings the convenience, flexibility and security of remote access down to SMB scale. This enables at-the-rack server management via a local port, as well as anytime, anywhere, BIOS level access from a web browser, whether on the LAN, WAN or over the Internet.

**e-RIC G4**

The eRIC G4 remote KVM management PCI card, from Raritan, provides KVM over IP access that is unblocked to BIOS level to any server. Accessed via any Web browser, the eRIC G4 provides anytime, anywhere KVM access with maximum security, stability and speed.

e-RIC G4 fits into 1U and 2U form factors for PC, Sun, Linux and Mac platforms and requires no software. It features Virtual Media allowing administrators to exchange installation files and other media from a remote location. It also has a serial port allowing connection to a modem for greater support. eRIC G4 also has remote power support allowing the power to be cycled or even turned on or off. With a resolution of up to 1600 x 1200 over IP and robust 256-bit SSLv3 security e-RIC G4 is the ideal solution for single server remote management.
Uptime Devices' SensorHub allows you to easily monitor and manage all of your critical environmental needs in your home, security, small business, corporate, or government network. With these devices you will be able to maintain the safety of all your network server rooms at an affordable cost.

**SH-2**

### Features
- 2 External sensor ports
- E-mail
- Full password protection
- Full SNMP capabilities
- Four user-defined thresholds
- Graphing
- Data encryption

- Temperature sensor included with SH-2
- Humidity & temperature sensor included with SH-2+
- Humidity & temperature combo sensor included with SH-2+I

**RPM**

The RPM is the new standard in physical and environmental monitoring devices, designed to monitor temperature, humidity, airflow, water, voltage, current, motion, smoke and contact closures, and notify personnel when those conditions exceed user-defined limits. The RPM can also control power outlets.

### Features & Benefits
- New Remote Intelligent Multi Sensors (RIMS) that can be daisy-chained to 1000ft² (304m²), with up to 16 RIMS in the chain
- RIMS available for:
  - Temperature / Humidity / Airflow / Dry Contact
  - Voltage - includes remote power on / off / reboot
  - Dry Contact (10 Port) - Auto detects the addition of smoke, water, security and motion sensors
  - RS-232 - Web-enable feature allows monitoring and control of non-intelligent power strips from approved manufacturers
- Front LCD screen makes critical information available at a glance
- Temperature measured in Celsius, Fahrenheit or Kelvin without the need to change thresholds
- Supports PoE (Power over Ethernet)
- Supports SNMP (v1, v2, v3), DHCP, SNTP
- Alerts via Authenticated e-mail, SMS modem, SNMP traps or audible buzzer
- Alerts recorded in Alarm logs which can be downloaded
- DB9 connection to connect external modem
- Temperature RIMS monitor up to 100ft² (30m²) and are accurate to 0.1°
- True Airflow readings in CFM
- Voltage RIMS have 2 IEC connections which monitor current draw and can power on, off or reboot. Memory relays ensure a sequential start up.
- Four user-defined thresholds - two high and two low
- Superior graphing capability

**SH-PRO**

### Features
- Internal temperature sensor that covers 1000ft² (93m²)
- 2 Serial ports
- 4 External sensor ports
- Fully compliant with operating systems
- Supports DHCP
- E-mail
- Full password protection
- Full SNMP capabilities
- Four user-defined thresholds
Netcom 3

EDP’s open, modular LAN furniture system allows your network support furniture to change with your operational needs. Netcom 3 has adjustable shelves that can be altered to accommodate equipment changes. As your network grows, new pieces can be added quickly and simply without disrupting your network operations.

Netcom 3 is available in four widths - 25” (635mm), 36” (914mm), 48” (1219mm) and 72” (1829mm) units, with multiple corner options. Low profile workstations are also available, along with extended worksurfaces which make ideal desk areas. Netcom 3 has many accessory options, including: Removable rear panels for easier access, ventilation fans to prevent equipment from overheating, roll-out server shelves and keyboard drawers, efficient wire management to handle unsightly cables and shelves that are fully height and angle adjustable.

Netcom SL

Netcom SL, EDP’s technical computer racking furniture is flexible enough to meet today’s dynamic technology environment. This versatile computer racking has been designed to make reconfiguring and expanding your technical furniture simple, and cost effective.

Built around specially designed frames, from which the shelves are suspended, Netcom SL provides efficient storage of all your IT equipment.

Available in widths of 24” (610mm), 36” (914mm), 48” (1219mm) and 72” (1829mm). Netcom SL is 84” (2134mm) high with low profile frames available.

Netcom SL features built-in vertical and horizontal cable management, with cable ports within the frames to allow for interconnecting cabling. Other features include angle adjustable shelving, high quality laminated worksurfaces that allow for smooth transition & continuous shelf surface areas, so maximising storage potential.

A host of accessories and worksurfaces are available to customise Netcom SL to your specific requirements.
SmartRac

SAVE SPACE, SAVE MONEY, SMARTRAC

One of the most cost-effective and high quality manufactured solutions available. Height adjustable with many shelving options for housing all non-rackmounted computer equipment.

Accessories include cable management and individual pullout trays for keyboards.

Features

- Strong Rigid Frame
- Mobile, Modular and Ergonomic design
- Height Adjustable Shelving
- Individual Pull-Out Keyboard Trays
- Advanced Cable Management
- Units Can Be Bayed Together
- Weight Loading Capacity Up To 1,000Kg

Specifications

Widths: 1.74m, 1.16m and 0.58m
Height: 2.00m
Depth: 0.85m

Components

- Module - Includes One Pair of Legs
  Lockable Heavy Duty Castors
  Top, Bottom & Rear Bracing
- Standard Shelf
- Monitor Shelf With Pull-Out Keyboard Drawer
- Adjustable Worktop Frame
- Laminated Work Surface
- Base Shelf
- Individual Server Trolleys
- Vertical & Horizontal Cable Management
- Horizontal Brace For Power Distribution Units
- Power Distribution Units

E-Tec ESD Furniture

E-Tec, EDP’s ESD technical workbench has been engineered for active technical application environments. Available in two sizes, E-Tec has great flexibility with height adjustable worksurfaces and rear frames. E-Tec workstations can be used as stand-alone units or grouped back-to-back. Ergonomically designed to allow technicians easy access to tools and instruments and with a useful range of accessories, E-Tec is the ideal solution for applications requiring an anti-static environment.
Contour Console Furniture

Contour™

Contour™ is the latest generation of EDP’s modular consoles, designed for flat screen monitors. This new platform incorporates improvements in cable management, dedicated hardware storage and aesthetic details to bring the most advanced console line to the market.

Contour™ Features:

- Decorative laminate top trim, matched to the finish of the worksurface, is removable for access into the wall system.
- Removable locking service panels (front & back) allow precise access to required sections of the configuration.
- Self-supporting worksurfaces offer maximum desktop space (24” or 30” deep). Also provides clearance for operators and equipment stored underneath.
- Lockable, dedicated CPU storage modules plug into the base of the unit and accept tower style CPUs
- Each 12” tall display wall includes a removable service panel with brush strip inserts for seamless cable entry at desktop or LCD level.
- All steel construction to meet the rigours of 24/7 operations.
- The 5” thick wall provides multiple, fully integrated raceways to manage wiring, power accessories and small equipment.
- The 8” tall aluminum slat wall can manage multiple monitor arms, work-in-process accessories and heavy-duty shelving for equipment, media and files.
- Slim corner connectors create a multitude of space efficient configurations to meet your room requirements. Each connector allows for continuous internal cable management.
- User defined raceways, service troughs and power devices may be integrated within the frame as optional components

Contour™ Advance

Contour™ Advance features state-of-the-art dual and single surface desks tops, rack-mount integration, centralised computer storage and attractive office options such as acoustic fabric console wraps, Contour™ Advance is one of the most innovative modular console lines in the market. Dual-lift corner worksurfaces create cockpit-like configurations to centralise monitoring and despatching activities, whilst CPUs can be consolidated and securely stored in the CPU locker. With a host of accessories, laminates and configuration options Contour™ Advance provides the ideal solution.

www.bdmproducts.co.uk
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+44 (0)1245 329125

BDM PRODUCTS
A Division Of EDP Europe
Introducing the new range of Server Lifters from EDP Europe

Battery Operated Server Lifters

New Features Include:
- Dual speed elevation and descent
- Full operator protection
- Battery charge meter
- Soft grip bull bar handles
- Highly attractive design

The all new range of Server Lifters from EDP Europe has arrived. These exciting products are available for immediate dispatch. The line up includes 5 models with a choice of 65Kg, 85Kg, 105Kg, 155Kg and 205Kg lifting capacities in both standard height and extended lift height versions - request your product demonstration today!

Models Available:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Raised Ht.</th>
<th>Lowered Ht.</th>
<th>Platform Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>49-SL-65</td>
<td>65Kg</td>
<td>1445mm</td>
<td>120mm</td>
<td>470 x 400mm</td>
</tr>
<tr>
<td>49-SL-85</td>
<td>85Kg</td>
<td>1445mm</td>
<td>125mm</td>
<td>600 x 470mm</td>
</tr>
<tr>
<td>49-SL-105</td>
<td>105Kg</td>
<td>1350mm</td>
<td>130mm</td>
<td>600 x 470mm</td>
</tr>
<tr>
<td>49-SL-155</td>
<td>155Kg</td>
<td>1350mm</td>
<td>135mm</td>
<td>600 x 470mm</td>
</tr>
<tr>
<td>49-SL-205</td>
<td>205Kg</td>
<td>1350mm</td>
<td>105mm</td>
<td>570 x 600mm</td>
</tr>
</tbody>
</table>

Manual Server Lifters

EDP Europe’s range of manual server lifters and work positioners are available in powder coated mild steel or stainless steel (stainless steel are special order only, with extended lead-times and higher cost). The “Easy Winch” system is used to raise and lower the load safely with the minimum of manual effort.

These lifts are remarkably manoeuverable and extremely lightweight, all four wheels swivel and two are fitted with total stop brakes complete with toe guards.

The laser cut design is not only very stylish but is combined with high level stability and durability.

Models Available:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Raised Ht.</th>
<th>Lowered Ht.</th>
<th>Platform Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>49-WPM85</td>
<td>85Kg</td>
<td>1560mm</td>
<td>140mm</td>
<td>600 x 470mm</td>
</tr>
<tr>
<td>49-WPM140</td>
<td>140Kg</td>
<td>1605mm</td>
<td>130mm</td>
<td>600 x 500mm</td>
</tr>
<tr>
<td>49-WPM200</td>
<td>200Kg</td>
<td>1430mm</td>
<td>130mm</td>
<td>600 x 500mm</td>
</tr>
</tbody>
</table>
Access Lifts & Crash Carts

Access Lifts

The general form, finish and functionality of the Micro is intended to work in less industrial environments such as offices, retail, healthcare, hotels etc. where its more sympathetic appearance is more acceptable.

T-Zip Micro & MicroXL Specifications:

- Maximum platform height of 1320mm or 1620mm
- Maximum working height of 3320mm or 3620mm
- Minimum platform height of 140mm
- Lift time of 20 or 24 seconds
- Lifting capacity of one man plus tools (120Kgs)
- Self weight of 118Kgs or 132Kgs
- Platform size of 600mm x 600mm
- Overall size - 980mm x 600 / 740mm wide
- Handrail Height - 1100mm
- Powered by 2 sealed 12vDC batteries
- Has 2 fixed wheels and 2 swivel wheels which are fitted with stop brakes.

Features & Benefits:

- Entry gates are auto-closing, whilst a spirit level ensures the lift is level.
- Inertia belt descent protection, with fast and accurate elevation.
- Key switched controls and power pack.
- Light self-weight, exceptionally easy to manoeuvre, with non-slip platform surface.
- Safety cage with top rail, mid bar & kick plates.
- Emergency lowering and overload protection, with Auto-cut-off charger unit.
- Fits easily through a standard door, with a clear sight line when transporting.

Crash Carts

Low-cost, Height-adjustable Computer Cart

Our new computer cart supports your mobile computing needs today and tomorrow. Features 20+ inches (51cm) of height adjustment (work sitting or standing), small footprint, rugged open architecture and a fleet of accessories. Versatile design configures for laptops or LCDs.

All carts are delivered to each location in a flat pack format on a pallet or alternatively have our installation team meet the delivery and assemble the carts for you!

Options:

- Laptop Mount
- PC / UPS Stand
- 17” or 19” LCD Screen with Keyboard and Mouse
- Pre Assembled Option with Screens Fitted, if requested
- Installation Service on Client Site

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Multimedia Racks

EDP Multimedia Racks are modular units designed to provide a durable and efficient storage system for 4mm, 8mm, Optical Disks, 3480/90, 9x40, Streamer, TK, DLT, LTO and CD-Rom media types. The racks require a minimum amount of floor space, whilst allowing an increase in storage capacity via means of add-on units which attach to the top of the racks.

EDP’s Multimedia racks are available in two heights - compact and stretch. Add-on units are available in both sizes and can be mixed.

Multimedia racks are constructed from furniture grade steel and have adjustable feet for levelling.

At the heart of the multimedia rack storage system are a series of media storage pacs designed for storing a particular type of media. Racks can be ordered pre-configured for a particular media type, or empty with a mixture of pacs for self-configuration of different types of media.

Media Pacs, which remove easily from the unit, are constructed from high-impact polystyrene and attach securely to the rack via moulded clips. Some pacs feature a spring clip which holds the media securely in place.

Multimedia Pacs

[Images of various pacs for 4mm, 8mm, Optical Disk, CD-Rom, etc.]
Multimedia & 3590 Extreme

Multimedia Extreme

The Multimedia Extreme media storage system (MMEX) provides high density multimedia storage in the minimum footprint. The Multimedia Extreme system consists of base units and optional sliders for increased storage capacity.

Multimedia Extreme can be configured to store a single media type or a mix of different types of media in the same rack via specially designed, media-specific storage packs.

Multimedia Extreme racks are constructed from furniture grade steel for unparalleled strength and stability. The pacs attach to evenly spaced slots in the uprights of the frame allowing for various types of media to be stored within the same rack.

Base units are available in either single sided racks for attaching to walls or as double sided racks for creating aisles. As your media library grows additional storage can be incorporated by adding optional sliders easily and quickly.

For the ultimate in multimedia storage densities, Multimedia Extreme is now offered in Triple Track format, allowing up to three sliders in front of each side of an MMEX Base Rack.

3590 Extreme / Triple Track

The Extreme Density media storage system from EDP offers one of the highest storage capacities per square foot of any system on the market. The system eliminates all unnecessary space between cartridges and vertically stores 8 levels of Auto-Extreme twenty pacs, as opposed to 6 in other systems. This equates to a base rack with 1600 cartridges in six square feet!!

To increase storage capabilities further still, add optional slider units to the existing base racks, and see an increase of up to 80% capacity, depending on the configuration. The Triple Track media storage system takes media storage to the extreme. Triple Track allows three sliders to be added to each side of an Extreme Density base rack. A top gantry system is added to provide support for the additional sliders. Compatible for use with 3590 / 3592 / 9x40 / T10K cartridges.
Maximiser & Quad Rac Media Storage

Maximiser Racking
EDP’s original media storage racking, the Maximiser, allows easy storage of media in a small footprint. Originally designed for the 3480/90 Auto-Pac, this rack is compatible with the new Auto-Pacs for DLT/LTO, CD and 4mm/8mm storage. This makes it ideal for data centres migrating from 3590 media storage to DLT or LTO. Instead of changing the racks you simply change the packs.

Available in single sided racks for use against walls or double sided to create aisles. Maximiser racks are constructed of wire-welded, furniture grade steel and shipped ready to use. The bottom two rows are angled for easy cartridge label viewing.

Quad Rac
For greater media storage in a smaller footprint, EDP offers the Quad Rac. The Quad Rac is a double density media storage rack that has four independent one pac wide sliders. Available in single or double-sided units, the Quad Rac offers high density media storage in areas with limited space.

To ensure high quality and effortless gliding, the slider units have precision moulded casters and DuPont Delrin® guides. Quad Racs are 5 Pacs wide by 6 high, with 4 independent, 1 pac wide sliders, offered either as a single or double-sided unit. The Quad Rac is compatible with all the Auto Pac options*.

(*The CD Auto Pac may only be used in the sliders of a Quad Rac)

Maximiser Auto Pac Options
With the migration away from 3480 format data storage, many companies are experiencing a need to change their media storage racks. However, value can be restored to existing assets by simply changing the storage pacs.

DLT-Auto 16 Pac (3480-DLT-16 & 3480-DLT-16R)
• Stores 16 DLT / LTO tapes.
• Fits Maximiser, Quad Racs, carousels & shuttles.
• Optional retention strip holds the tapes securely in place.

CD-Auto 36 Pac (3480-CD-36)
• Stores up to 36 CDs.
• Bottom slots are designed to store one double CD case or two singles.
• Built-in retention system
• Fits Maximiser, carousels, shuttles and the sliders of the Quad Rac.

Auto II Pac (3480-22A)
• Stores 20 3480 /3590 tapes.
• Spring release system holds tape securely in place, and aids tape retrieval.

8mm-Auto 24 Pac (3480-8MM-24)
4mm-Auto 24 Pac (3480-4MM-24)
• Stores 24 8mm or 4mm tapes.
• Spacer allows the pac to convert from 8mm to 4mm storage or visa-versa.
• Tapes held securely in place by a Delrin retention spring.
Russ Bassett Media Storage

Gemtrac

The Gemtrac high density storage system from Russ Bassett has an enclosed design for greater protection and security. Gemtrac has shelving sections that pull out like vertical drawers, supported on overhead tracks. Aisles are left clear as no floor mounted tracks are required. This cuts down on installation costs and makes relocation easier. Each drawer section features adjustable shelving in ½” (13mm) increments. For data tapes, shelves can include “discrete-slot” Media Racs (one tape p/slot) for “media-specific” collections. For added security optional security locks are available.

Unit Features

- Enclosed Design - Protects valuable media collections
- Optional Locks - Provides positive security and controlled access
- Two Case Heights - 81” (2057mm) and 90” (2286mm)
- Five Drawer widths - 5” (127mm), 5½” (140mm), 6” (153mm), 7” (178mm) and 8” (204mm)
- Heavy Gauge Welded Construction
- Powder Coat Finish
- Leveling Glides
- Easy Ganging - For multiple unit installations

ProMedia Cabinets

Russ Bassett ProMedia Cabinets are a range of 6 different sized cabinets with 5 different drawer heights, specifically designed to store a complete range of media cartridges. The drawers are configurable to store a mix of media with the use of flat steel dividers which can be adjusted in ¼”(6mm) increments. Optional wire racks provide individual slot storage when required.

7-drawer Overfile connects onto 48” (1219mm) wide cabinets and stores data media formats vertically on shelves, with stop-lock connectors that are adjustable in ½” (13mm) increments (without tools or additional hardware) for maximum flexibility.

Micrographics Cabinets

The Classic collection of media cabinets from Russ Bassett are the original cabinets that set the standard for media storage. The cabinets are quickly recognised by their centre-mounted, chrome flush drawer pull. Each cabinet is configured with all the same drawer heights and available in 3 styles, Vertical, Lateral and the high capacity Extra Deep Lateral. Each of these styles is then available in 3 heights. When you combine all of this with 3 drawer heights, you have a huge selection to choose from. Available for Microfiche and 16mm / 35mm Roll Film.
Russ Bassett Media Storage & EDP Media Labels

Transfer Cases

Russ Bassett transfer cases are designed to carry the most popular media formats (3480, 3490, DLT, LTO), securely stored in media packs. Available in single and double pack styles, the stored media is protected against impact with closed cell neoprene rubber. The tough, long-lasting, textured, powder coat finish keeps media safe from off-gassing and is environmentally friendly. With two latches and 5/16" (8mm) padlock eyes per case, media is kept secure and controlled dual custody access can be accommodated.

Tri-Optic®

Tri-Optic Media Labels

Label quality is critical to data management and in many ways represents one of the most important components of any media library. Accurate filing and easy readability is vital to speed data storage and retrieval, and through the use of proven colour coding filing methods and grade A bar code quality, EDP Tri-Optic has developed a reputation over twenty years as the World’s leading media label manufacturer, with quality products tailored to the industry’s needs.

Many hardware manufacturers consult with EDP Tri-Optic on label requirements for automated library systems under development and, as a result, EDP Tri-Optic offer approved labels for most systems available today. In fact, EDP Tri-Optic is the only label manufacturer approved by HP, and is the chosen supplier for many other major OEM’s, such as Maxell, Sony, Quantum/ADIC, and Sun/STK.

EDP Tri-Optic produces labels for use with the following media types:

- 3480 / 3490 / 9x40
- 3592
- LTO (1, 2, 3 & 4)
- DLT
- SDLT
- AIT
- T10K
- SAIT
- 4mm
- 8mm
- Optical Disk
- 3570 Magstar

EDP Tri-Optic Media Labels

The Superior Quality Solution

- Quality and consistency are our primary objectives.
- Consistent colours for easy identification.
- Grade A bar code quality. (99% first time read rate).
- Laminated for protection and long term durability.
- Smudge, fade and tear resistant.
- Five year warranty on materials and workmanship.
- Lifetime warranty on bar code readability.
- Second site production back up.
- Patent protected computer generated production process.
- More than 800 million Media Labels supplied Worldwide.
- Superior adhesives that bond stronger with time.
Structured Cable Protection

Fire Barrier For Cable Openings
Continuously changing technology and the expanding data and telecommunications needs of many industries result in constant cable additions and changes, penetrating fire rated barriers. In the event of fire such openings allow the spread of fire, toxic smoke and superheated gasses to unprotected areas.

Engineered for rapid expansion when exposed to fire or high temperatures, EZPath fire barrier quickly seals the cable pathway to prevent the passage of flames, smoke and gases.

Features

• Maximum resistance to fire whether empty or 100% visually filled.
• Assures fire protection with every new or retrofit cable installation.
• Superior fire, sound and smoke leakage compared to standard sleeve and putty systems, and remains fire and smoke compliant 100% of the time!
• Built-in firestopping system automatically adjusts to the number of cables installed.
• Mechanical application eliminates the use of sealant, putty and other products that need to be removed and replaced.
• Innovative built-in firestop design assures it is firestopped - even at maximum cable loading.

Cable Lay Protective Cable Matting

Features of Cablelay

• Protects cables from sharp edges, rough surfaces & chemical & water penetration.
• Wide range of roll lengths and widths available.
• Pre-cut material is available for use as a protective lining to the hard and sharp edges of traditional tray/basket systems.
• Closed cell structure provides a high resistance to moisture and water penetration, giving long term stability.
• Low Toxicity Index for added safety assurance.
• Variety of specifications – can be coloured, cut to size and available in various thicknesses – accommodating any application.
• Dust, fibre and CFC free with an Ozone Depletion Potential of zero – an environmentally-friendly product.
• Class ‘O’ fire category means low fire propagation index producing a zero surface spread of flame for a high degree of fire protection and safety (BS476 part 6 1989 and BS476 part 7 1987).
• Available to meet the various fire standards required across Europe.
• Joining of sections to prevent gaps can be achieved simply by using Cabletape which will maintain the Class ‘O’ fire rating.
• Excellent resistance to the effects of ozone, oil, chemicals, extreme weather conditions and wear and tear.
• Manufacturer’s BS EN ISO 9002 and 14001 approval confirms continuity of quality.

Benefits of Cablelay

• Lightweight and flexible means easy and speedy installation with low maintenance, resulting in time and cost savings.
• Specific widths eliminate the need to cut material on site.
• Protection from low flooding as the cables are raised off the floor.
• Installed Cablelay provides a visible route for the network infrastructure.
• Coloured Cablelay provides a differentiated route-way.
• Protects from grit, sharp edges and irregularities in the route-way surface.
LabelsAnywhere.com™ is Colorflex’s cost effective, web based, on-demand print solution, allowing you to print Intaglio designs with any combination of variable COLOUR, variable TEXT, variable BARCODE and, with the new referenced image feature, variable IMAGES/GRAPHICS like never before.

ANY LABEL, ANY TIME, ANYWHERE

Colorflex provides you with a turnkey, data driven, cross industry, variable print solution that maximises the power and convenience of the internet to print labels ANYWHERE, while maintaining total confidentiality and security for data. Data never leaves your computer!!

EASY AS 1-2-3

LabelsAnywhere.com is straightforward and easy to use. You begin printing any type of label in three simple steps using the intuitive print wizard.

Whether you print one label per day or thousands... LabelsAnywhere.com provides an easy and economical print-on-demand solution.

KEY BENEFITS & FEATURES

- Print labels hassle-free – No driver or software installation; new features are automatically delivered via the web to ensure you are always using the most up-to-date version, allowing for a maintenance-free experience
- Use virtually any colour printer to achieve vibrant, consistent, controlled, true colour printing
- Print high-quality, Grade A bar codes – without downloading special fonts (exclusive to LabelsAnywhere)
- Select labels from an ever-increasing library of label designs or have custom labels designed specifically for your needs by the experts at Colorflex
- Track label inventory automatically (exclusive to LabelsAnywhere)
- Recover and reuse data without re-keying with the “Remember Data” tool (exclusive to LabelsAnywhere)
- Easy to set-up and use, robust system administration function, add and delete users as needed and set access levels to ensure data security and integrity
- Designed for enterprise deployment with multiple/simultaneous user capability
- Strong password protected login/logout procedure

SYSTEM REQUIREMENTS

| OS: Windows® 98, 98SE, ME, 2000, XP, NT workstation 4.0 or Vista |
| RAM: 64MB or greater |
| Browser: Microsoft® Internet Explorer 6.0 or higher Free |
| Disk Space: 1GB |
| Internet Connection required |
Watchdog E is Colorflex’s fully integrated, data polling/print software. It is the preferred method of printing on-demand, label and form servicing applications because it completely automates the printing process, using simple delimited text file output from any data source.

By using data that already resides in the system, printing with Watchdog E reduces manual data entry errors, and virtually eliminates multiple data entry mistakes or omissions.

After finding specified data, Watchdog E can perform the following functions:
- Utilise multiple data sources, template designs and output printers
- Exclude duplicate records as required
- Clean extraneous characters or records as required
- Execute specified rule-based data transformation tasks
- Route data as specified

Watchdog E provides an easy, expandable, networkable solution for managing enterprise data, making Label and Form printing effortless. Automatically printing or re-printing individual items or entire print runs, seamlessly using its internal print engine.

Watchdog E provides two methods for managing data
- The ASCII method watches for a variety of file formats in multiple specified locations
- The Serial method watches for inbound serial data streams

Poll and Print Automation is 1….2….3….. Steps Away

1. SETUP – Watchdog E is configured to find data in specified directories
2. WATCH – Watchdog E matches any new data placed in the specified directory or directories, to pre-defined criteria, transforms it based on pre-set rules, and then processes it for printing
3. SEND – Once processed, Watchdog E automatically prints the data at a specified time and location on custom or stock Labels or Forms as required
MASTERTRAK PLUS...

MasterTrak Plus is a Records Management & Document Imaging Software system which uses Barcodes or Radio Frequency ID (RFID) tags to track the movement of RECORDS, ASSETS or just about anything else.

With the clock always ticking, timely access to the information within your records is crucial and each minute spent searching for lost records is time lost and money wasted.

When MasterTrak Plus is installed, there are no more lost records and printing status reports is a breeze. When you choose MasterTrak Plus to help run your File Room, you will immediately increase your human resource efficiency, increase the productivity of your department, and decrease the number of lost records.

With MasterTrak Plus, you can eliminate the time consuming, labour intensive task of manually tracking your records, providing your company with the information it needs in a timely manner. Performing physical inventories of files around the office is quick and easy using the portable barcode reader.

MasterTrak Plus tracks documents inside the folder and also scans the documents as IMAGES for viewing from a PC workstation or via the web.

A CENTRAL DATABASE, supported by MSDE, SQL or Oracle, provides for Enterprise Wide access to information for both large and small organisations.

Barcode Technology is also a cost effective, fast and accurate way to enter data. When using MasterTrak Plus, each folder has a unique barcode label and when the folder is CHECKED OUT or IN, the Barcode is scanned. If OUT, MasterTrak Plus keeps track of who has it and when it is due back.

MASTERTRAK PLUS MANAGES YOUR RECORDS FROM START TO FINISH.

To start, MasterTrak Plus can print either Black and White labels or prepare data to be printed on COLOUR-CODED file folder labels via Intaglio or LabelsAnywhere. With its custom Black and White Label Designer, labels can be designed to fit your own needs, whether for boxes or shelves.

Next, MasterTrak Plus can track the movements of a folder throughout its active life. If desired, documents can be scanned for easy viewing from a desktop without having to request the actual file. If the originals are required, records can be requested through MasterTrak Plus and a REQUEST SLIP will automatically print in the File Room.
RFID TECHNOLOGY...

ALWAYS KNOW WHERE YOUR FILES ARE

Whatever your industry - Legal, Finance, Medical, Insurance or Government, keeping track of your files is a challenging task. Having timely access to the documents inside your file is critical for an Efficient and Productive working environment.

The ATM RFID Real-Time Tracking System with MasterTrak Plus automatically reads your files as they are placed on your desk or area. MasterTrak Plus is updated with its present location within seconds and as files are moved from desk to desk or work area, MasterTrak Plus is constantly updated with the current location of your file with no extra human intervention.

RADIO FREQUENCY IDENTIFICATION (RFID)

Each file is labeled with an RFID Tag as well as its standard colour / bar coded label.

Each desk or work area has the ATM DeskTop RFID Reader installed, allowing the RFID Reader to read any file which comes within range of the reader instantly. The RFID Real-Time Tracking System knows which desk or work area just read the file, along with the Time and Date, and updates MasterTrak Plus.

Easy Setup allows for fast implementation.

INCREASED PRODUCTIVITY

Knowing where your files are at all times gives you quicker access to the information you need, when you need it. Tracking files as they move from area to area, with no extra human interaction, saves time and money by eliminating the manual labour task of scanning barcodes individually or logging records manually, or simply looking for the file, which could take hours. Time saved means increased Productivity and improved Efficiency for smoother operations.

FASTER CHECK IN’S AND CHECK OUT’S

When your files are Tagged with the ATM RFID Label, files can be checked out of your central filing area faster by scanning multiple folders at one time vs. scanning one barcode at a time. Checking files back in has never been easier.